Hi-Fi AV Surround Receiver

SERVICE MANUAL

MODEL AVR-800

AV SURROUND RECEIVER





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NIPPON COLUMBIA CO., LTD.

(U.S.A. AND CANADA MODELS.) **SPECIFICATIONS**

Audio Section

for North America model

(Power amplifier)

Front (main 2ch driven)

Rated output:

60 W + 60 W (8 ohms, 20 Hz - 20 kHz with 0.08% THD)

(All properties shown are

CENTER (center 1ch driven)

only for the power

60 W (8 ohms, 20 Hz - 20 kHz with 0.08% THD

PHONO (MM): 2.5 mV / 47 kohms

amplifier stage.)

REAR (rear 2ch driven) 15 W + 15 W (8 ohms, 1 kHz with 0.3% THD)

Output terminals:

6 to 16 ohms Front:

Center: 8 to 16 ohms 8 to 16 ohms

Rear:

Line input (Each line input - FRONT SP OUT) Input sensitivity / impedance:

150 mV/47 k ohms

Frequency response:

10 Hz to 50 kHz:

Tone control range:

±3 dB ±10 dB at 100 Hz

BASS: TREBLE ±10 dB at 10 kHz

92 dB (BYPASS) Signal-to-noise ratio

Phono equalizer (PHONO input - REC OUT)

RIAA deviation:

±1 dB (20 Hz to 20 kHz)

Signal-to-noise ratio:

74 dB (A weighting, with 5 mV input)

Rated output / Maximum output: Distortion factor:

150 mV/8 V 0.03% (1 kHz, 1 V)

Tuner Section

[FM] (note: μV at 75 ohms, 0 dBf = 1 \times 10⁻¹⁵ W)

Receiving Range:

 $87.5\,\mathrm{MHz}\sim108.0\,\mathrm{MHz}$ (for North America model) $87.50~\mathrm{MHz} \sim 108.00~\mathrm{MHz}$ (for multi-voltage model)

Usable Sensitivity:

1.0 µV (11.2 dBf)

50 dB Quieting Sensitivity:

1.6 µV (15.3 dBf) MONO 23 µV (38.5 dBf)

Signal to Noise Ratio (IHF-A):

STEREO MONO 80 dB

Total Harmonic Distortion

STEREO 75 dB MONO 0.15%

STEREO 0.3%

(at 1 kHz): [AM]

Receiving Range:

520 kHz ~ 1710 kHz (for North America model)

522 kHZ ~ 1611 kHz (for multi-voltage model) 18 µV

Usable Sensitivity: Signal to Noise Ratio:

50 dB

Video Section

Standard video jacks

Input and output level / impedance:

1 Vp-p/75 ohms 2 Hz to 8 MHz +0, -3 dB

Frequency response:

General Power supply:

AC 120 V, 60 Hz (for North America model)

AC 110/220 V, 50/60 Hz (for multi-voltage model)

Power consumption:

4.0 A (for North America model)

W (for multi-voltage model)

Maximum external dimensions:

434 (W) \times 142 (H) \times 325 (D) mm (17-3/32" \times 5-19/32" \times 12-51/64") 9.1 kg (20 lbs 1 oz)

Weight:

Remote control unit System remote control

RC-169:

Total buttons:

DENON system code

CD player:

6 buttons

36

Cassette deck:

6 buttons

AVR-800 fixed codes:

24 buttons

Batteries:

R6P/AA Type (two batteries)

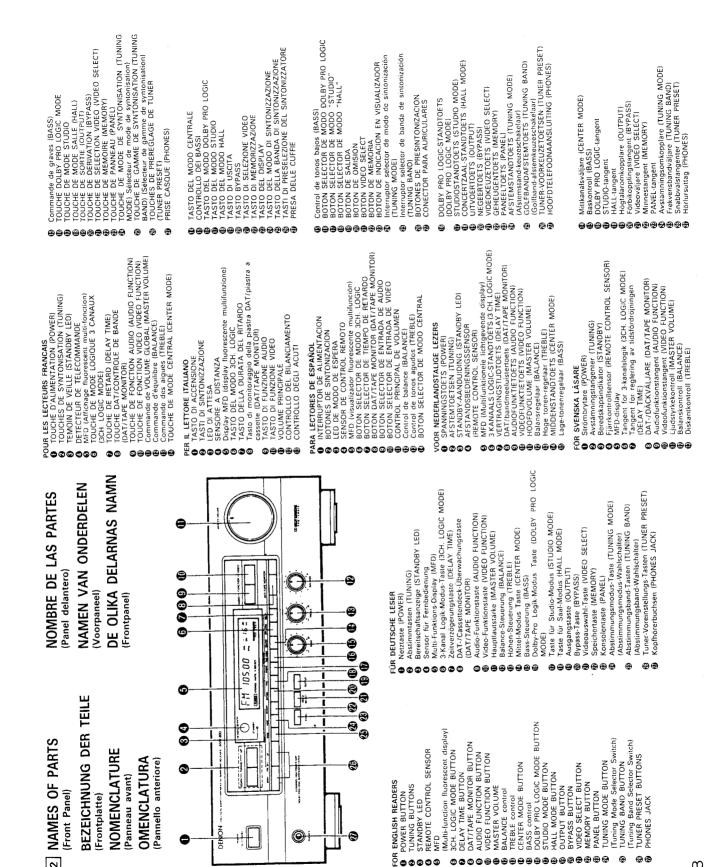
External dimensions:

55 (W) \times 18 (H) \times 180 (D) mm (2-11/64" \times 45/64" \times 7-3/32")

Weight:

110 g (Approx. 4 oz) (including batteries)

^{*} For purposes of improvement, specifications and design are subject to change without notice.



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INTRODUZIONE / INTRODUCCIÓN / INLEIDING / INLEDNING 1 INTRODUCTION / EINFÜHRUNG / INTRODUCTION

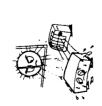
NUR FÜR EUROPÄISCHE MODELLE

Die DENON Electronic GmbH

4030 Ratingen 1 Halskestraße 32

Konformitätserklärung

NOTE ON USE/HINWEISE ZUM GEBRAUCH/OBSERVATIONS RELATIVES A L'UTILISATION NOTE SULL'USO/NOTAS SOBRE EL USO/ALVORENS TE GEBRUIKEN/OBSERVERA



- ste d'une dispersion de chalcur lors de l'installation sur une
- che ci sia un'adeguata disper-ore quando installate l'unità in di esporre l'unità a temperature
- ficiente dispersión del calor nstalado en la consola.
 - finns möjlighet till god vid montering i ett tack.



Halten Sie das Kabel am Stecker, wenn Sie r la prise lors du débranchement du (For sets with ventilation holes)

per la spina quando scollegate il cave Maneje el cordon de energía con cuidado Sostenga el enchufe cuando desconecte e

Manneggiate il filo di alimentazione

bein varsamt når den kopptas från elseie com cuidado o fio condutor de

entspricht.

Erklärt als Hersteller/Importeur, daß das in dieser Bedienungsanleitung beschriebene Gerät den Technischen Vorschriften für Ton- und Fernseh-Rundfunkempfänger nach der Amtsblattverfügung 868/1989 (Amtsblatt des Bundesministers für Post und Telekommunikation vom 31. 8. 1989)

- as laisser des objets étrangers dans

ilten Sie das Gerät von Feuchtigkeit,

- nde föremål inte tränge:

aat binnendringen. inte apparaten för fukt, vatten och

Mantenha o aparelho livre de qualque umídade, água ou poeira.

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agere Zeit nicht rennen Sie das

- te insektsmedet på sprayb thinner kommer i kontakt r ktenverdelgende midde verdunner met dit appa
- permita que inseticidas, benzina e



PLEASE RECORD UNIT SERIAL NUMBER ATTACHED TO THE REAR OF THE CABINET FOR FUTURE REFERENCE" "SERIAL NO.

(EUROPE MODEL) **SPECIFICATIONS**

Audio Section

(Power amplifier)

Front (main 2ch driven)

Rated output:

(8 ohms, 20 Hz - 20 kHz with 0.1% THD) 60 W + 60 W

(All properties shown are

CENTER (center 1ch driven) (8 ohms, $20 \, Hz - 20 \, kHz$ with $0.1\% \, THD$ 60 W

only for the power amplifier stage.)

REAR (rear 2ch driven)

Output terminals:

(8 ohms, 1 kHz with 0.5% THD) 15 W + 15 W 6 to 16 ohms Front:

Center:

8 to 16 ohms

8 to 16 ohms Rear:

Line input (Each line input - FRONT SP OUT) Input sensitivity / impedance:

150 mV/47 k ohms

PHONO (MM): 2.5 mV / 47 kohms ±3 dB

Frequency response:

10 Hz to 50 kHz:

Tone control range:

BASS:

±10 dB at 100 Hz ±10 dB at 10 kHz

TREBLE:

Signal-to-noise ratio Phono equalizer (PHONO input - REC OUT)

92 dB (BYPASS)

RIAA deviation:

±1 dB (20 Hz to 20 kHz)

Signal-to-noise ratio:

74 dB (A weighting, with 5 mV input)

Rated output / Maximum output:

150 mV/8 V

Distortion factor:

0.03% (1 kHz, 1 V)

Tuner Section

[FM] (note: μV at 75 ohms, 0 dBf = 1 \times 10 15 W)

Receiving Range:

87.50 MHz \sim 108.00 MHz

Usable Sensitivity:

1.0 µV (11.2 dBf)

50 dB Quieting Sensitivity:

1.6 µV (15.3 dBf) MONO

STEREO 23 µV (38.5 dBf)

0.5%

Signal to Noise Ratio (IHF-A):

80 dB MONO 75 dB **STEREO**

Total Harmonic Distortion

0.4% MONO

(at 1 kHz):

[AM] Receiving Range:

522 kHZ ~ 1611 kHz

Usable Sensitivity:

18 uV 50 dB

STEREO

Signal to Noise Ratio:

Video Section

Standard video jacks

1 Vp-p/75 ohms

Input and output level/impedance: Frequency response:

2 Hz to 8 MHz + 0, -3 dB

General

Power supply:

AC 230 V, 50 Hz (for Europe model) AC 240 V, 50 Hz (for U.K. model)

Power consumption:

Maximum external dimensions:

434 (W) \times 142 (H) \times 325 (D) mm (17-3/32" \times 5-19/32" \times 12-51/64")

Weight:

9.1 kg (20 lbs 1 oz)

Remote control unit

Total buttons:

36

System remote control

RC-169:

DENON system code

CD player:

6 buttons 6 buttons

Cassette deck: AVR-800 fixed codes:

24 huttons

Batteries:

R6P/AA Type (two batteries)

External dimensions:

55 (W) \times 18 (H) \times 180 (D) mm (2-11/64" \times 45/64" \times 7-3/32")

Weight:

110 g (Approx. 4 oz) (including batteries)

^{*} For purposes of improvement, specifications and design are subject to change without notice.

14 TROUBLESHOOTING

If a problem should arise, first check the following:

1. Are the connections correct?

2. Have you operated the amplifier according to the Operating Instructions?

3. Are the speakers, turnbale, and other components to operating property?

If the receiver is not operating property, check the items listed in the table below. Should the problem persist, there may be a malfunction. Disconnect the power immediately and contact your store of purchase.

Page	. 00	14 17 15 15	4.	14 11~13	12~14	23, 25	2	12		- 12	1,55 6
Measures	Check the insertion of the power cord plug.	Connect securely. Set to a suitable position. Turn valueue pp to suitable level. Switch off MUTING.	Switch prover off, connect speakers properly, then switch power back on Turn of the set's power, then ventilate at well to cool it down. John the set is cooled down, turn the prover back on.	Connect securely. Connect securely. Adjust balance knob propully.	Check left and right connections.	Sct the rear level to lower level.	Press the DAT/TAPE button to set the source.	Connect securely. Connect securely. Connect securely. Connect securely.	Separate as much as possible. Use cushions to absorb synakur vibrations transmitted by floor if turntable is not equipped with insulators, use audio insulators (commonly available).	Apply proper stylus pressure. Check stylus. Replace cartridge. Replace with MM cartridge or use a head	amplifier or step-up transformer. Replace with new batterers. Move closer. Remove obstacle. Remove obstacle. Press the proper button. Insert batteres properly
Cause	Power cord not plugged in securely	Speaker could not securely connected OUTPUT button is off. Improper position of the audio function button. Volume control set to mainton. MUTING is on.	Speaker terminals are short circuitst Block the ventilation holes of the set The unit is operating at communum high power conditions and/or markequate ven illation.	Incomplete connection of speaker corfis. Incomplete connection of input/output cords. Lett/right balance is off.	Reverse connections of left and right speakers or left and right input/output cords.	Rear level is too high.	DAT/tape monitor mode set.	Ground wire of lutritable not connected properly Incomplete PHONO jack connection TV or radio transmission antennu nearby.	Turntable and speaker systems too chost: together. Floor is unstable and vibrates easily.	Stylus prassura too weak. Dust or dirt on stylus. Cartridge defective. MC cartridge being used.	Baltories doad. Remote control unit too lar from receiver. Obstandount cociver and remote control unit Office of the cocine o
Sympton	MFD not fit and sound not produced when power switch set to on.	MFD lit but sound not producerd.	-PROTECT:- display appears multi- function display.	Sound produced only from one channel.	Positions of instruments reversed during sterno playback.	Sound seems distorted.	Personal memory function does not work.	Humming noise produced when re- cord is playing.	Howling naise prottuced when volume is high.	Sound is distorted. Volume is weak.	Receiver does not operate property when remote control unit is used:
_			SIS	sissobsors.	INH DUE	'590	Jei				hnu

15 LAST FUNCTION MEMORY

This receiver is equipped with a last function memory which stores the input and output sotting conditions as they were immediately
before the power is switched off.
 This function eliminates the need to perform complicated resettings when the power is switched on
 This receiver is also equipped with a back-up memory. This function provides approximately one week of memory storage with the
power cord disconnected.

16 SPECIFICATIONS

fron finant 2ch divinent a model fron florinant 2ch divinent 3ch divin	JUT) 14 d8 (204 z to 20 kHz) 14 d8 (A weighting, with 5 mV input) 150 mV/8 V 0.03% (1 kHz, 1 V)	7.10°16 WJ 87.5 MHz. ~ 108.0 MHz (for North America model) 87.50 MHz. ~ 108.00 MHz (for multi-vollage model) 87.50 MHz. ~ 108.00 MHz (for multi-vollage model) MONO 1.6 µV.11.2 Edil 87EREO 23 µV.138.5 GB1) 87EREO 73 µV.138.5 GB1 87EREO 75 GB 87EREO 9.3% 87EREO 0.3%	650 kHz ~ 1710 kHz (for North America model) 820 kHz ~ 1611 kHz (for multi-vollage model) 18 µV ~ 50 d8	hms 12 - 0, –3 dB	AC 120 V, 60 Hz (for North America model) AC 110/220 V, 50/80 Hz (for multi-voltage model) AO A (for North America model) W (for multi-voltage model) A32 A (W (sor multi-voltage model) B434 WW (sor the Hy 3.25 (D) mm (17.3/32" × 5.19/32" × 12.51/64")	Approx. 4 6 Approx. 4 6
for North America mod front intain 2ch driven) 60 W+ 60 W (8 of 18 60 W+ 16 W (8 of 18 60 W+ 16 W (8 of 18 60 W+ 15 W (8 of 18 15 W+ 15 W (8 of 18 15 Font: 6 to 16 ohms 75 Center: 8 to 16 ohms 8 out 18 to 16 ohms 19 Ut 18 Of 18 Of 18 19 Out 18 Of 18 Of 18 Of 18 19 Out 18 Of	0U1) ±1 dB (20 Hz to 20 kHz) 74 dB (A weighting, wit 150 mV/8 V 0.03% (1 kHz, 1 V)	× 10 ⁻¹⁵ W) 87.5 MHz ~ 108. 87.50 MHz ~ 108. 1.0 μV (11.2 dBl) MONO 1.6 μV STEREO 23 μV STEREO 23 μV MONO 0.159. MONO 0.159.	$520 \text{ kHz} \sim 17$ $522 \text{ kHZ} \sim 16$ $18 \mu \text{V}$ 50 dB	1 Vp-p/75 ohms 2 Hz to 8 MHz 10, –3 dB	AC 120 V, 60 Hz (fo AC 110/220 V, 50/i 4.0 A (for North An W (for multi-vc 34 (W) × 142 (H) × 9.1 kg (20 lbs 1 oz)	Total buttons: DENON system code CD player: Cassette deck: AVR-800 fixed coc strens: External dimensions: Weight:
A dudio Section Rated output: Rated output: Rated output: CENTF CONTY (All properties shown are CONTY CONTY (All properties shown are CONTY (All properties shown are CONTY (All properties shown are CONTY (CONTY TOUR CONTY TOUR CONTY Read: Line input (Each line input –FRONT SP OUT) Frequency response: The CONTY THE C	Phono equaliter (PHONO input – REG OUT) RIAA deviation: 5 Signal-to-noise ratio: 74 df Rated output / Maximum output: 150r Distortion factor: 0.03	Tuner Section (FM) Innote: UV at 75 ohms, 0 d8f = 1 × 10 ⁻¹⁹ WJ Receving Range: 87 5 MHz - 87 5 MHz Usable Sensitivity: 10 uV VI	Receiving Range: Receiving Range: Usable Sensitivity: Signal to Noise Ratio:	Video Section Standard video jacks input and output level / impedance: Frequency response:	General Power supply: Power consumption: Maximum external dimensions: Weight:	Remote control unit System remote control RC-169:

^{*} For purposes of improvement, specifications and design are subject to change without notice.

■ Using the Personal Memory

Surround mode settings and the input function can be stored at personal memory buttons "1" and "2", then recalled directly from any surround mode simply by pressing button "1" or "2".

1 Storing the setting in the personal memory

1, Set the desired surround mode and input function.	2. Press the personal memory button.	AND THE	Remote control unit	(The memory setting mode is set and the indicator on the MFD flashes.)	3. Press the desired personal memory button ("1" or "2").	- D	Remote control unit	 "M 1 (2) SET" appears on the MFD indicating that the setting has been stored.

000 000

0 ø

The memory setting mode is set for 6 seconds. If any button other than personal memory button "1" or "2" is pressed, the memory setting mode is cancelled.

2 Recalling the personal memory

Press the personal memory button ("1" or "2") at which the desired setting was stored.	-	Remote control unit	 The surround mode and input function switch automatically.
5. Press t			6. The su cally.

5. Press the personal memory button (*1° or *2°) at which the desired setting was stored. \[\begin{align*}	6. The surround mode and input function switch automatically.

- Decay memory buttons "1" and "2" will not function during the lape monitor mode. The surround The surround mode readled with the PRSCINAL MEMORY "1" or 2" button is the same as the mode selected with the surround mode readled with the PRSCINAL MEMORY "1" or 2" button is the same as the mode selected with the mode is recalled mode button. Thus, if the parameter of the surround mode which was stored in the memory are cleared, when the mode is recalled
 - it is set to the initial values.

 Upon shipment from the factory, the "DOLBY PRO LOGIC" mode is stored at personal memory "1", the "HALL" mode at personal memory "2". The input function is set to VDP/10BS for both "1" and "2".

 Do not press personal memory buttons "1" or "2" buttons during recording on the cassette deck.

■ Operations Possible in the Various Surround Modes

The following is a list of the buttons and functions which can be operated during the different surround modes. Figures in parentheses indicate adjustment ranges.

			-				Ĺ	
		OUTPUT	OUTPUT CENTER LEVEL	REAR LEVEL	CENTER	3CH LOGIC	TEST	DELAY TIME
RVPACC		0	×	×	-,□	×	×	×
	NORMAL	0	O (024dB)	O (024dB)	0	0	0	O (15~30ms)
COLEY PRO LOGIC	PHANTOM	0	×	O (0~-24dB)	0	×	0	O (15~30ms)
	WIDE	С	O (0~-24dB)	0 (0~-24d8)	0	0	0	O (15~30ms)
	NORMAL	0	O (0~-24dB)	×	0	0	0	×
DOLBY 3CH LOGIC	WIDE	0	O (0~-24dB)	×	0	0	0	×
HAII		0	×	O (0~-24dB)	- - -	×	×	O (0~33ms)
STUDIO		0	×	O (0~-24dB)	- -(1	×	×	O (0~33ms)
					ö	Operation pos	ssible X: Ope	O: Operation possible X: Operation not possible

Switches to the Dolby Pro (3CH) Logic for any modes other than Dolby Pro (3CH) Logic. The level of the center and rear channels can be adjusted by 2 dB step. The delay time can be set by 1.5 ms step.

The sound may be distorted for some sources if the rear level is raised during surround playback.
 If this happens, lower the rear level.

13 INITIALIZATION OF THE MICROPROCESSOR

When the indication of the MFD display is not normal or when the operation of the unit does not shows the reasonable result, the initialization of the microprocessor is required by the following

3,5

procedure.

1. Switch off the unit and remove the AC power cord from the.

but outlet. Hold the following 2 buttons of the main unit at the same time (as illustrated in the diagram below. ⑤ AUDIO FUNCTION button) Or VIDEO FUNCTION button) and plug the power cord into the outlet.

3. Check that the entire MFO display is flashing with an interval of about 1 second, and release your dingest from the 2 buttons.
4. Switch on the unit and the microprocessor will be initialized. The input function is set to tuner with the bypass mode automatically.

NOTE:

• When the unit does not show the result of above 3 not 4, repeat the procedure from 1 again.

• When the microprocessor is initialized, all settings you have made are reset to the factory presettings.

000 O 5% 105.00 000 H **©**

Initial parameter values for the different modes

	OUTPUT	CENTER LEVEL	REAR	CENTER	LOGIC	DELAY
BYPASS	NO	1	ı	1	1	1
DOLBY PRO LOGIC	ő	-12dB	-12dB	NORMAL	OFF	21msec
HALL	S		-12dB	1	1	21msec
STUDIO	NO.	1	-12dB	1		21msec

TUNER Ξ

 PEHSULINUT SUBROUND MODE :
 PERSONAL MEMORY 2
 INPUT
 INPUT
 INPUT PERSONAL MEMORY 1

NPUT FUNCTION
 Reception band
 Reception mode
 Reception frequency: 8

AUTO 87.5MHz (for North American models) 87.50MHz (for multi-voltage models)

VDP/DBS DOLBY PROLOGIC VDP/DBS HALL

24

Setting the delay time

→ Continued

To obtain the maximum surround effect, use the test tones to adjust the volume and balance of the speakers for the best balance for the listening position and so that the sound from all the speakers is heard at the same level. Set the master volume control to a suitable level, then adjust using the following procedure.

Speaker volume adjustment and Dolby Pro Logic mode

3. To decrease the level of the center speakers.

TOWE Remote control unit

1. Press the T.TONE button

4. To increase the level of the rear speakers.

Test tones are produced from the speakers in the order shown below, at 4 second intervals for the first two cycles, 2 second intervals after that.

→ [I] → □ ← □ → [F]

5. To decrease the level of the rear speakers.

For the Dolby 3CH Logic mode:

FL → FL → FR -

To increase the level of the center speakers.

Ξ 12.0 10.5

Distance from the front speakers to the listening position

9.0

7.5

15 3.0 4.5

Remote control unil

6. Press the T.TONE button again.

The test tone will not move on to the next channel when it is being emitted from the center channel and the level of the center speakers is being adjusted, or when it is being emitted from the rear channel and the level of the rear speakers is being adjusted. It only moves on to the next channel approximately two seconds after the level key has been refeased.

■ Other Surround Modes

HALL mode/STUDIO mode

The optimum delay time will differ depending on the listening position. Referring to the chart art fight, set the optimum delay time for your room's space and seating position. For example when the distance from the front speakers to the fistening position is 6 m and that from the rear speakers to the fistening position is 6 m and that from the rear speakers to the fistening position is 6 m and that from the rear speakers to the fistening position is 4 m, the optimum delay time will be 27 ms. The variable range of the delay time differs depending on the

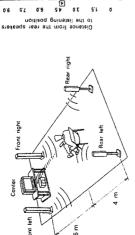
Listening position and optimum delay time for playback with Dolby Pro Logic surround

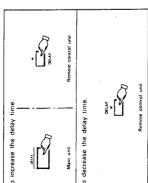
(ms)

mode. For details about the variable range, see Page 25. Front left 🖺

O Suitable
A Possible
X Impossible

[m] 0.Sr 5.01



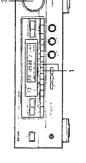


To decrease the delay time. 1. To increase the delay tim 2

9

O

Φ 1. Set the HALL mode/STUDIO made.



DOLBY PRO LOGIC

2. Play the desired software.

3. Adjust the volume.

STUDIO

Remate control unit

 Adjust the level of the center and rear channels. Adjust the levels according to the source, using the Dolby Pro Logic settings as reference. Main unit

Ę.

5. Adjust the delay time as desired.

23

Once the delay time is set, there is no need to readjust it unless you change the speaker system or the listening position.
 It is available to memorize the adjusted values of delay time and rear (center) level for each surround mode.

♣ Continued

12 SURROUND PLAYBACK

■ SURROUND modes

The surround modes are as follows:

Dolby Pro Logic Use this when playing program sources recorded in Dolby S HALL Use this sorting to create the atmosphere of a concert hall. There will be no output from the center speaker. Use this setting to create the atmosphere of watching a live There will be no output from the center speaker.	Use this when playing program sources recorded in Dolby Surround or Dolby stereo.	phere of a concert hall. enter speaker	Use this setting to create the atmosphere of watching a live program in a studio. There will be no output from the center speaker.
1 Dolby Pro Logic 2 HALL 3 STUDIO	Use this when playing program sou	Use this sotting to create the atmos There will be no output from the c	Use this setting to create the atmo- There will be no output from the c
- 2 E	Dalby Pro Logic	HALL	STUBIO
	-	2	3

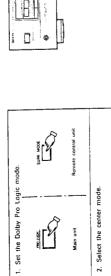
These effects may not be very pronounced for some sources.
 To adjust the speaker balance for the different surround modes, first adjust for the Dolby Pro Logic Surround mode as explained on page 23, then use the position of the center level and rear level controls at this time as a guide to adjust the balance for that surround mode.

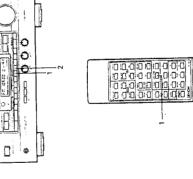


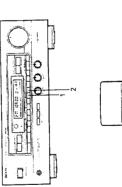
■ Using Dolby Pro Logic Surround

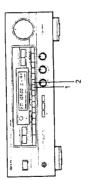
Speaker disposition and the Dolby Pro Logic Center mode

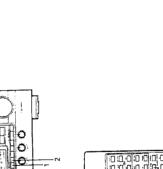
Ideally, center speakers should be used when playing sources in Dolby Pro Logic Surround. Select the center mode according to your speaker system.











This mode is suited for an arrangement in which the center channed speaker is smaller than the left and right speakers. Signals below 100 Hz which have almost no effect on directional orientation are distributed to the left and right channels, whereas the center channel output signals greater than 100 Hz. As a result, the base of the field and right channels increases the apparent deepness of the sound.

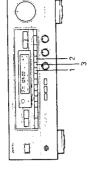
Front right

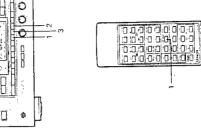
Center Mode

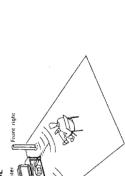
PHANTOM mode

Use this mode when center channel speaker is not used. A directional emphasis circuit provides signal reproduction which is electricially oriented to the center and this provides an exciting sound field for your enjoyment. wIDE mode is suited for an arrangement in which the center. This mode is suited for an arrangement in which the day channel speaker is of the same grade as the left and right speakers. The entire sound band from low region to high is output to the center channel to provide an exciting sound field for your enjoyment.

• Dolby 3CH. Logic (three-channel logic mode) Setect this made when not using rear speakers.







Use this mode when rear channel speakers are not used. The rear channel information is reproduced by the front speakers.

	0)	The mode changes as shown above.
--	----	----------------------------------

3CH. LOGIC MODE



3CH. LOGIC mode

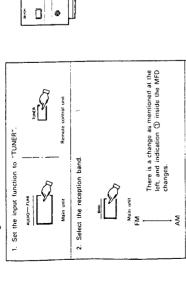
The mode changes as shown above

→NORMAL →PHANTOM

- WIDE ←







AIVI	3. Select the tuning mode.	Main unit AUTO	The mode switches as shown at the left. When the auto mode is set, "AUTO" lights on the MFD @.	MANUAL	
	က				

Set the auto mode for automatic tuning, the manual mode for manual tuning. 4. Tune in the station.

Main unit

9/ H OUT DOUBT SUPPOUND

kHz MHz

105.00

∑_ |_|_

MFD display

Θ

TUNED STERED AUTO V.SELECT

@

In the manual luning mode:
Press the Ub button once to increase the frequency by
one step, the DOWN button once to decrease the
frequency by one step.
The frequency changes continuously when the buttons are held in.
The "TUNED" indicator @ lights on the MFD when a

station is turned in the MFD when a station is turned in the auto turning mode:
When the UP or DOWN button is pressed, automatic searching begins, and searching stops when a station is turned in.

NOTES:

• When in the auto tuning mode on the FM band, the "STEREO" indicator @ lights on the MFD when a sterco broadcast is tuned in. At open frequencies, the noise is mused and the "TUNED" @ and "STEREO" @ indicators turn off.

• When he manual tuning mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator @ turns off.

000 0

The "CH" (Sindicator on the MFD flashes.

1. Follow steps 1 to 4 under "Tuning" to tune in a station.

2. Press the MEMORY button.

3. Select the preset channels

000

■ Storing stations at the preset buttons

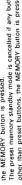
NOTES

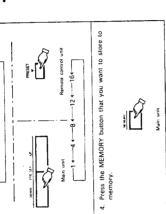
Remote control unit

Main unit

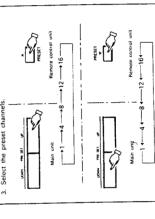
16-1

The preset memory standby mode is set for 10 seconds when the MEMORY button is preset memory standby mode is cancelled if any button of the preset memory standby mode is cancelled if any button other than preset buttons, the MEMORY button is pressed





First store stations at the preset buttons using the above procedure. ■ Recalling stations with the preset buttons



3. Select the preset channels

O

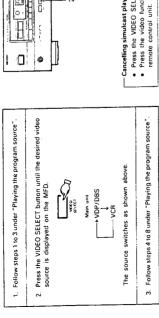
Use this function to switch between the DAT or tape deck and the input (source) selected with the audio or video function

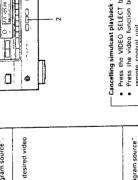
9 TAPE MONITOR FUNCTION ■ When playing a DAT or tape deck "Playing the program

Follow steps 1 and 2 under source.

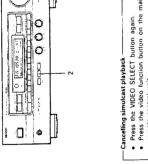
2. Select the deck to be played













switches as shown at the

The teft

SOURCE

DAT/TAPE

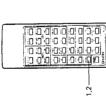


Monitoring the recording on a three-headed tape deck

3. Follow steps 5 to 8 under "Playing the program source"

The sound actually being recorded can be monitored during recording when a three-headed tape deck is used.

1. Select the deck to be monitored.



The STANDBY LED flashes when the muting function is

Press the MUTING button again. The muting function is cancelled.

This function can only be set from the remote control unit.

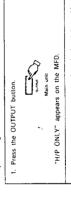
MOTING MOTING

Using the muting function Use this to turn off the audio output temporarily

1. Press the MUTING button.

10 USING HEADPHONES

The sound from the speakers can be turned off using the OUTPUT button to listen to the sound over the headphones only, for example at night



The recording source switches if the audio function, video function, personal memory "1" or "2" or tuner preset buttons are pressed during recording. Do not press these buttons during recording.

Start recording on the tape or video deck. For instructions, refer to the component's operating instructions.

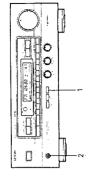
2

1. Follow steps 1 to 3 under "Playing the program source"

(recording the source currently being monitored)

■ Recording the program source

8 RECORDING



NOTE: .

• Also refer to the three-headed tape deck's operating instructions.

Start recording on the lape deck. For instructions, refer to the component's operating instructions. 4. Press the three-headed tape deck's source/tape button to monitor the recording.

2. Follow steps 1 to 3 under "Playing the program source"

The source switches as shown at the

left.

SOURCE

DAT/TAPE

Main unit

2. Insert the headphones' plug into the headphones' jack.

Either press the OUTPUT button again or press the POWER button to turn off the power. Cancelling

> The signals of the source selected with the function selector button are output simultaneously to the DAT/TAPE and VCR REC OUT jacks. If a total of two tape and/or video decks are connected and set to the recording mode, the same source can be recorded simultaneously on both decks. Is substanceously on both decks. In the TAPE MONITOR (DAT/TAPE) button is pressed, the audio signals from the tape deck are output to the VCR AUDIO REC OUT jacks. Simultaneous recording

The sound may be interrupted if switches are operated during playback. This is because the muting circuit is activated to prevent switching noise.

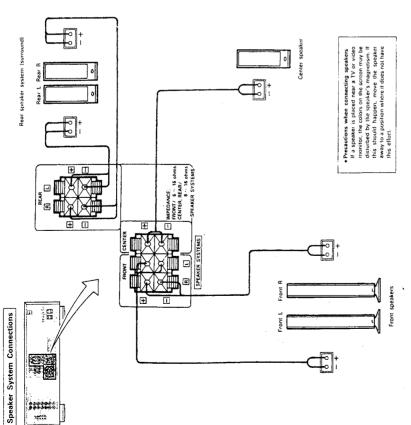
Turn the control clock-wise to increase the treble, counterctock-wise to decrease it.

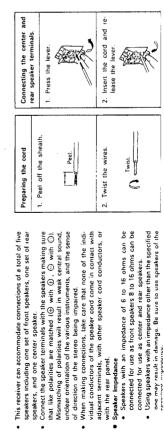
Turn the control clock wise to increase the bass, counterclock-

wise to decrease it.

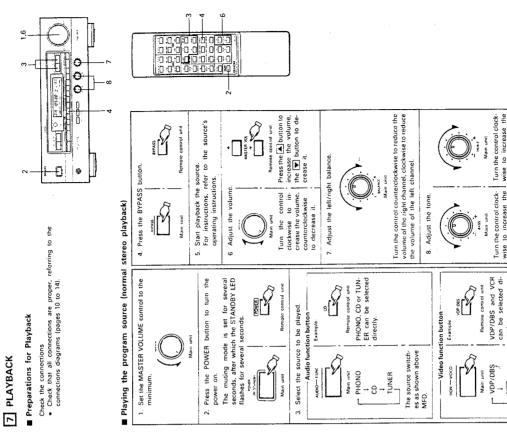
The source switches as shown above MFD.

NOTE: -

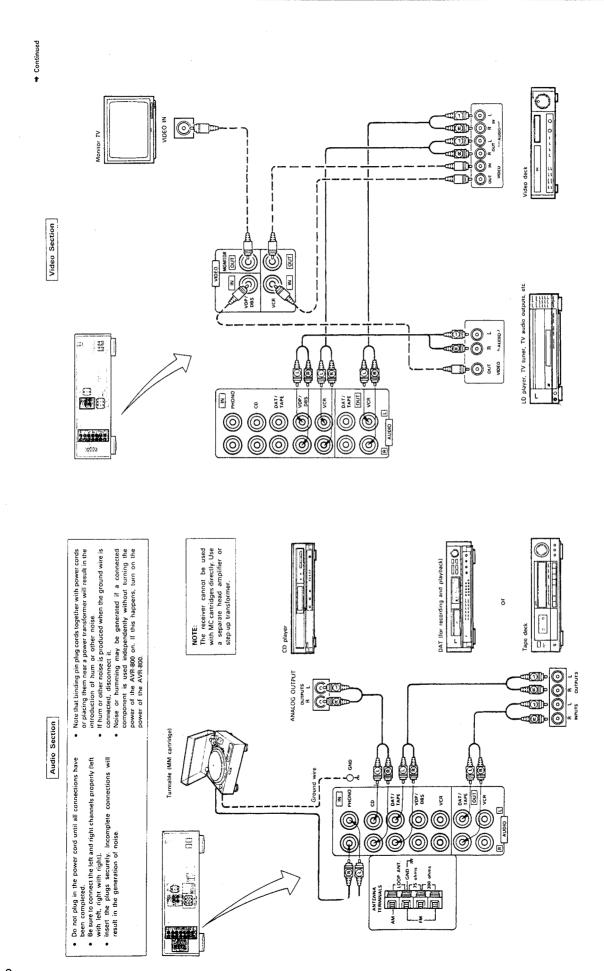




of direction of the stereo being impaired.



♣ Continued

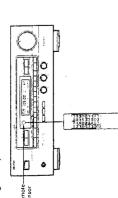


7

5 REMOTE CONTROL UNIT

Following the procedure outlined below, insert the batteries before using the remote control unit.

Range of operation of the remote control unit



Point the remote control unit at the remote control sensor as shown on the diagram at the left.

NOTES

- The remote control unit can be used from a straight distance of approximately. Thereis, but it his distance will shorten or operation will become difficult if there are obstacles between the remote control unit and the remote control sensor, if the
- remote control sensor is exposed to direct sunlight or other strong light, or if operated from an angle. Then signs or other devices emitting pulse-type noise nearby may result in mallunction, so keep the set as far away from such devices as possible.

Open the bottom cover of the remote control unit and remove the battery cover.

■ Inserting the batteries

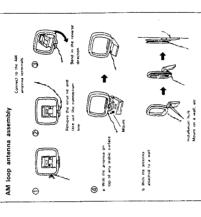
- NOTES

 Use only R6P, AA, UM:3 batteries for replacement
 Be sure the polarities are correct. (See the illustration inside
 the battery compariment.)
 Remove the batteries if the remote control transmitter will not
 be used for an extended portion of time. If batteries leak, dispose of them immediately. Avoid touching the leaked material or letting it come in contact with clothing. etc. Clean the battery compartment thoroughly before install-

6 CONNECTIONS

♣ Continued

Connecting the antenna terminals



the wall or ceiting where optimize the source of the wall or ceiting where optimize the source of the wall or ceiting where optimize the ceiting where optimize the ensure stable reception, due to environment changes. In such crease, the RM Type anemna should only be used temporatily unit an outdoor PM amena has been installed. When connecting the outdoor PM anemna, the use of Ye of the control of the stable (3C-2V) is strongly recommended. Using 300-0Pm feeder cable will cause noise and you will not be able to active the high sound quality the built-in tuner is capable of

Assemble the included AM loop antenna as shown in the diagram, then place it in a postsion where reception is good. In some cases reception is better if ne polarities are inverted. AM broadcasts will not be

AM ANTENNA

respondings or with the loop antenna is not connected or if it is connected well if the loop antenna even when using an outdoor Attach the loop antenna even when using an outdoor AdM antenna.

Adjust the loop antenna to obtain optimum reception. Where broadcast stations are distant and only

The supplied T-type indoor FM antenna (300 ohrns) can be used inside wooden houses for receiving local FM stations and other strong FM signals. Stretch out the ends of the antenna and mount the antenna on

ANTENNA INSTALLATION

turn, writter thousants a study as a postant with writter thousant and the blocked, it is best for missal on undefor AM antenna NOTES.

• This receiver has a full back-up system. When the power is turned on, the IMPUT SELECTOR bustons are set to the last mode set before the power was turned off.

• When using this receiver in close proprietty to video equipment (TV, VCR, VDP, etc.), noise may be generated in AM broadcasts. To avoid his, keep the generated in AM broadcasts. To avoid his, keep the possible. If the noise is not reduced, turn off the power of the video components at AM inoutcasts.

0 0 **© @** 0

0 (O) DAT/ TAPE

MA .

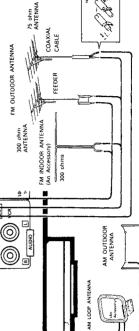
(a)

ohms

Note to CATY system installer.

This reminder is provided to call the CATY system installer's attention to Anticle 820-40 of the NEC which provides guildiners to Propure groundings and in perincialer, specifies that the cathle ground shall be connected to the grounding system of the building, as does to the point of seale entity as practical.

0



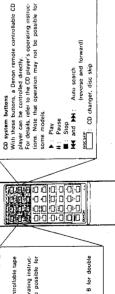
ing new batteries. When replacing the batteries, always replace both batteries with new ones.

Insert the two R6P/AA batteries, matching the \oplus and \ominus marks on the batteries with those in the case. Close the bottom cover until it clicks shut.

■ System codes

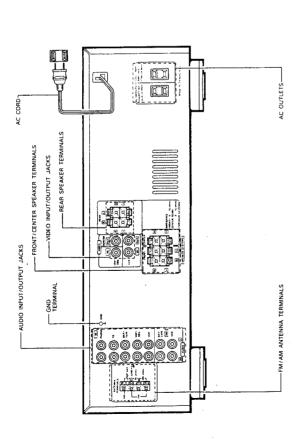
The system codes for Denon tape decks and CD players are set in this remote control unit.





9

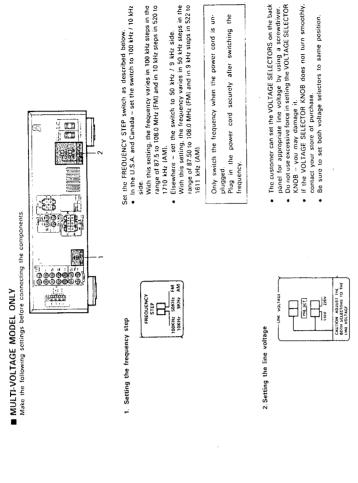
4 NAMES OF PARTS - 2 (Rear Panel)



Always turn off the power of the various components when making connections. Also refer to the operating instructions for the other

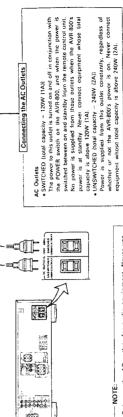
components.

• Do not plug in the power cord until all connections are completed.





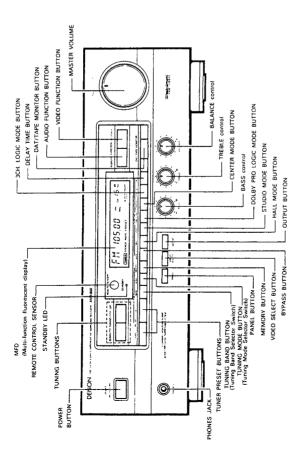
■ AC OUTLETS

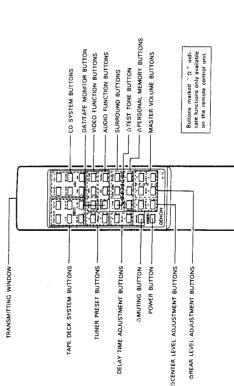


Only use the AC outlets for audio equipment. Never use them for hair driers, TVs or other electrical appliances.

^

2 NAMES OF PARTS – 1 (Front Panel and Remote Control Unit)

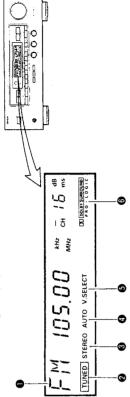




3 MULTI FUNCTION DISPLAY (MFD)

The MFD indicates the operating modes when operations are performed and when PANEL button is pressed.

■ FLD (Fluorescent Light Display)



MULTI FUNCTION DISPLAY

Normally the reception frequency is displayed when the function is set to tuner, and the surround mode is displayed when the function is set to other positions. The display also indicates various other information according to the buttons

TUNED (TUNED indicator)
This indicator lights when broadcast signals are received.

The STEREO indicator will automatically light up when a STEREO (Stereo Indicator)

stereo broadcast is received.

■ To check the settings of the different modes

button in or press it repe-atedly to display the set-tings for the different Either hold the PANEL 1. Press the PANEL button. Main unit

■ FLD OFF

The FLD display changes continuously and finally luns off. Now when a button is pressed, the related display appears for a few seconds then turns off automatically.

AUTO TUNING (AUTO TUNING Indicator)This indicator lights when the auto tuning mode is selected by pressing the TUNING MODE button. U. SELECT (VIDEO SELECT Indicator)

This indicator lights when the video monitor output is fixed in the video select mode.

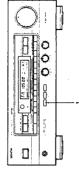
DOLBY SURROUND Indicator
This indicator lights when DOLBY PRO LOGIC, 3CH, LOGIC are selected.

Turning the FLD off.

1. Press and hold in the PANEL button.

2. Turning the FLD back on.

Press the PANEL button once again.

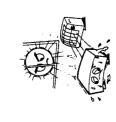


We greatly appreciate your purchase of the AVR-800.
The AVR-800 has to offer, read these instructions carefully and use the set properly. Be sure to keep this manual for future reference should any questions or problems arise.

Check that the following parts are included in addition to the main unit:

ACCESSORIES

NOTE ON USE



Do not place the set in a location where it will be exposed to direct careful of high temperatures

sunlight or near a heating ap-

Caution on rack/cabinet installation Avoid installing the set in a closed-

cabinet, provide a sufficiently large ventilation opening to promote When installing in a rack heat radiation. type rack.



Do not allow foreign matter into the

Be especially careful of needles, hair pins, and coins getting into the



on top of the set.

lot of dust.



During your absence

vents since they may cause a change in quality or color. Use a soft cloth when wiping away dirt

and follow the instructions carefully when using chemically treated

the set as well as wiping the case with benzine, thinner or other sol-

Avoid the use of pesticides near

Care of the case

When not using the set for an extended period such as when taking a trip, be sure to disconnect the plug from the receptacle.



For sets with ventilation holes

Do not block the ventilation holes of the set

Blocking of the ventilation holes

When removing the plug from the receptacle, do not pull the power cord; be sure to hold the plug

Care with the power cord

since placing an object against the holes will result in an extreme rise The ventilation holes are very important for heat radiation from within the set. Care must be taken will lead to damage of the set. of temperature within the set.

A note on stacking

INSTALLATION PRECAUTIONS

FM indoor antenna

10 cm or greater AVR-800 (This receiver) CD Player C

Using this receiver or other electronic equipment containing microprocessors similarhaeously with a tuner or TV may result in noise in the sound or picture.

If this should happen, take the following steps:

In specially receiver's age as as possible from the tuner or TV set.

This problem is respecially frequent when using indoor annernance or 300 ohm feeder lines, We recommend using outdoor nas or 300 ohm feeder lines.

antennas and 75 ohm coaxial cables.

For cooling purposes, do not place another AV component directly on top of the receiver. Be sure to leave a space of at least 10 cm.

• TABLE OF CONTENTS

Salety Precautions 2 - 4 Salety Particular 3 - 1 Note on Use 4 Names of Parts - 1 Names of Parts - 1 Names of Parts - 2 (Rear Panel) 7 Salety Manas of Parts - 2 (Rear Panel) 7 Names of Parts - 2 (Rear Panel) 11 - 14 Salety Parts 11 - 14 Sa	11] Listening to the Radio	[12] Surround Playback	Surround Modes	 Using Dolby Pro Logic S 	 Other Surround Modes 	 Using the Personal Mem 	 Operations Possible in 	Surround Modes	[13] Initialization of the Microp	14 Troubleshooting	[15] Last Function Memory	16 Specifications	DENON SERVICE NETWORK
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[11] Listening to the Radio18, 19	Surround Playback20~29	Surround Modes	Using Dolby Pro Logic Surround	Other Surround Modes	Using the Personal Memory	 Operations Possible in the Various 	Surround Modes	Initialization of the Microprocessor	Troubleshooting
Ξ	12							13	14

[9] Tape Monitor Function [10] Using Headphones

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SAFETY PRECAUTIONS



CAUTION

RISK OF ELECTRIC SHOCK DO NOT OPEN



DO NOT REMOVE COVER (OR BACK). NO USER SERVICE-ABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, SERVICE PERSONNEL.



is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons. The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance. TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE. WARNING:

TO PREVENT ELECTRIC SHOCK DO NOT USE THIS (POLA-RIZE) PLUG WITH AR EXTENSION CORD, RECEPTACLE OR OTHER OUTLET UNLESS THE BLADES CAN BE FULLY IN-SERTED TO PREVENT BLADE EXPOSURE.

ATTENTION

POUR PREVENIE LES CHOCS ELECTROLOES DE PAS UTILISER CETTE FICHE POLANISEE AVEC UN PROLONIGATEUR UNE RRISE DE COLDIANT OU UNE AUTRE SORTIE DE COURANT. SAUFS ILES LAMBE PEUVENT ETRE INSEREZA FOND SANS EIN LAISSER AUCUNE PARITE A DECOUVERT.

SAFETY INSTRUCTIONS

- Read Instructions All the safety and operating instructions should be read before the appliance is
- Retain Instructions The safety and operating instructions should be retained for future reference.
- Heed Warnings All warnings on the appliance and in the operating instructions should be adhered to.
- Follow Instructions All operating and use instructions should be followed.
- Water and Moisture The appliance should not be used near water for example, near a bathub, used near washowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, and the like.
- Carts and Stands The appliance should be used only with a cart or stand that is recommended by the manufacturer.
- .. An appliance and cart combination should be moved with care. Quick stops, excessive ΘĄ.



Wall or Ceiling Mounting - The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.

18

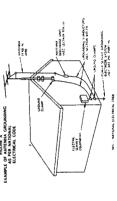
- Ventilation The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
- Heat The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
- Power Sources The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the ap-0
- Grounding or Polarization Precautions should be taken so that the grounding or polarization means of an appliance is not defeated.

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Power-Cord Protection -- Power-supply cords should be couled so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, converience receptacles, and the point where they exit from the appliance. 12.

- Cleaning The appliance should be cleaned only as recommended by the manufacturer. 4
- Power Lines An outdoor antenna should be located away from power lines. 5.
- tion against voltage surges and built-up static charges. Article 810 of the National Electrical Code, ANSI/NFPA 70, provides information with regard to ture, grounding of the lead-in wire to an antenna-discharge unit, size of grounding conductors, loca-tion of antenna-discharge unit, connection to grounding electrodes, and requirements for the grounding electrode. See Figure A. is connected to the receiver, be sure the antenna system is grounded so as to provide some protecproper grounding of the mast and supporting struc-Outdoor Antenna Grounding - If an outside antenna 16.
- Nonuse Periods The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.

- Object and Liquid Entry Care should be taken so that objects do not fall and liquids are not spilled into Damage Requiring Service - The appliance should the enclosure through openings. 19.
 - A. The power-supply cord or the plug has been be serviced by qualified service personnel when:
- B. Objects have fallen, or liquid has been spilled into the appliance; or
 - D. The appliance does not appear to operate normal-C. The appliance has been exposed to rain; or
- E. The appliance has been dropped, or the enclosure ly or exhibits a marked change in performance; or
- Servicing The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel. 20.



(Pannello posteriore) Panneau arrière) (Rear Panel) (Rückseite)

(Panel trasero) (Achterpaneel) (Bakpanelen)

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FÜR DEUTSCHE LESER Audio Eingangs-/Au

Audio Eingangs-/Ausgangs-Buchsen (AUDIO INPUT/OUTPUT) 0

AUDIO INPUTTOUTPUT JACKS FRONT/CENTER SPEAKER TERMINALS VIDEO INPUT/OUTPUT JACKS REAR SPEAKER TERMINALS

FOR ENGLISH READERS

AC CORD FM/AM ANTENNA TERMINALS GND (Grounding terminal)

Lautsprecheranschlüsse für Vorne und Mitte (FRONT/CENTER SPEAKER) Video Eingangs-/Ausgangs-Buchsen (VIDEO INPUT/OUTPUT) 0

Anschlüsse für Hecklautsprecher (REAR SPEAKER) Netzkabel

0 00

UKW/MW-Antennenanschlüsse (FM/AM ANTENNA)

GND (Masseanschluß)

POUR LES LECTEURS FRANCAIS

PRISES D'ENTREE/SORTIE AUDIO ٩ 9

(AUDIO INPUT/OUTPUT)
BORNES D'ENCEINTE AVANT/CENTRALE
IFRONT/CENTER SPEAKER)
PRISES D'ENTRE/SORTIE VIDEO (VIDEO INPUT/OUTPUT)

(REAR SPEAKER)
CORDON SECTEUR
BORNES D'ANTENNE FM/AM
(FM/AM ANTENNA)
GND (Borne de mise à la masse)

@ 0

BORNES D'ENCEINTE ARRIERE

0

ANTERIORI/ PRESE DI INGRESSO/USCITA AUDIO TERMINALI DEGLI ALTOPARLANTI O PRESE DI INGRESSO/USCITA VIDEO PER IL LETTORE ITALIANO

PRESE DI INGRESSO/US

TERMINALI DEGLI AI CENTRAL

TERMINALI DEGLI ALTOPARLANTI POSTERIORI CAVO CA TERMINALI DELL'ANTENNA FM/AM

0000

GND (Terminale di massa)

PARA LECTORES DE ESPAÑOL

• CONECTORES DE ENTRADA/SALIDA DE AUDIO

• TERMINALES DE ALTAVOCES DELANTEROS/

VIDEO-INVOER/UITVOERAANSLUITINGEN

Anslutingar for framer/mithögtalare (FRONT/CENTER SPEAKER)
 Videoingångar och -utgångar (VIDEO INPUT/OUTPUT)

AANSLUITPUNTEN ACHTERSTE LUIDSPREKERS NETKABEL AANSLUITPUNTEN FM/AM-ANTENNE

TERMINALES DE ALTAVOCES TRASEROS CABLE DE ALIMENTACIÓN DE CA TERMINALES DE ANTENA DE FM/AM GND (Terminal de conexión a tierra)

0000

Anslutningar för bakre högtalare (REAR SPEAKER) Nätsladd 00 0

Anslutningar för FM-/AM-antenn (FM/AM ANTENNA)

GND (Aardingsaansluitpunt) 9998

GND (Jordpunkt)

CONECTORES DE ENTRADA/SALIDA DE VIDEO

0

VOORSTE/ AUDIO-INVOER-UITVOERAANSLUITINGEN AANSLUITPUNTEN MIDDENLUIDSPREKERS VOOR NEDERLANDSTALIGE LEZERS

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Audioingångar och -utgångar (AUDIO INPUT/OUTPUT) FÖR SVENSKA LÄSARE

O Audioingångar och

Always turn off the power of the various components when making connections. Also refer to the operating

instructions for the other components.

• Do not plug in the power cord until all connections are completed.

Schalten Sie beim Vornehmen von Anschlüssen innner den Strom zu den verschiedenen Komponenten aus. Beziehen Sie sich darüberhinaus auf die Bedienungsanleitungen für die anderen Komponenten.
 Schließen Sie das Netzkabel nicht an, bevor alle anderen Anschlüsse komplett ausgeführt worden sind.

Mettre toujours les divers appareils hors circuit lors de la réalisation des connexions. Se reporter également aux modes d'emploi des autres appareils.
 Ne pas brancher le cordon d'alimentation avant d'avoir terminé toutes les connexions.

• Spegnete sempre la corrente dei vari componenti prima di fare i collegamenti. Inoltre, fate riferimento al manuale di ciascun componente. • Non inserite il filo di alimentazione finchè tutti i collegamenti non saranno stati fatti.

Antes de hacer las conexiones, desconecte la alimentación a los distintos componentes. Consulte también los manuales de instrucciones de los componentes en uso.
 No conecte el cable de alimentación hasta haber finalizado todas las conexiones.

• Schakel altijd de spanning van de verschillende komponenten uit wanneer u aansluitingen maakt. Raadpleeg ook de

gebruiksaanwijzing van de andere komponenten.

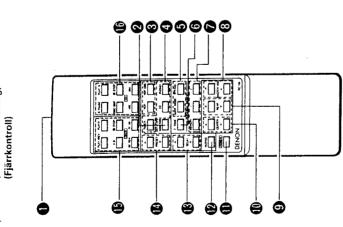
Steek het netsnoer pas in als alle aansluitingen tot stand zijn gebracht.

 Kom alltid ihåg att stänga av alla apparater innan du ändrar nägra anslutningar. Läs respektive bruksanvisningar för nārmare upplysningar. • Nāikabeln skall iņte sāttas i vāgguttaget fórrān alla andra anslutningar är klara.

(Remote Control Unit) (Fernbedienungsgerät) (Télécommande)

(Telecomando)

Unidad de Control Remoto) (Afstandsbediening)



Übertragungsfenster (TRANSMITTING WINDOW) Datum/Band Überwachungstaste FÜR DEUTSCHE LESER

Video-Funktionstasten (VIDEO FUNCTION) Audio-Funktionstasten (AUDIO FUNCTION) Klangumgebungs-Tasten (SURROUND) なTestton-Taste (TEST TONE) (DAT/TAPE MONITOR)

&TEST TONE BUTTON

&PERSONAL MEMORY BUTTONS

MASTER VOLUME BUTTONS

****REAR LEVEL ADJUSTIMENT BUTTONS

☆**CENTER LEVEL ADJUSTIMENT BUTTONS

FOR ENGLISH READERS

PRANSMITTING WINDO

DATTARE MONITOR BY

AUDIO FUNCTION BUT

AUDIO FUNCTION BUT

CAUDIO FUNCTION BUT

AUDIO FUNCTION BUT

AUDIO FUNCTION BUT

ATERIA ELFEL ADJUS

CECENTER LEVEL ADJUS

CECENTER LEVEL ADJUS

CECENTER LEVEL ADJUS

CECENTER LEVEL ADJUS

CECNTER REGET BUTTON

CECNTER PRESET BUTTON

TOWNER PRESET BUTTON

CONTRACTOR

TRANSMITTING WINDOW
DAT/TAPE MONITOR BUTTON
VIDEO FUNCTION BUTTONS
AUDIO FUNCTION BUTTONS

SURROUND BUTTONS

yPersönliche Speichertasten (PERSONAL MEMORY)
spupulautsikarter-Tasten (MASTER VOLUME)
the finistellungstasten für hintere Stufe
REAR LEVEL ADJUSTMENT) なEinstellungstasten für Mittelstufe (CENTER LEVEL ADJUSTMENT) 0000000

Einstellungstasten für Zeitverzögerung (DELAY TIME ADJUSTMENT) 於Stummschaltungs-Taste (MUTING) Netztaste (POWER)

989

AMUTING BUTTON
DELAY TIME ADJUSTMENT BUTTONS
TUNER PRESET BUTTONS
TAPE DECK SYSTEM BUTTONS

SYSTEM BUTTONS

Tuner-Voreinstellungs-Tasten (TUNER PRESET) Systemtasten für Tape Deck (TAPE DECK SYSTEM) CD-Systemtasten (CD SYSTEM)

Buttons marked " & "indicate functions only available on the remote control unit.

Die mit " & " markierten Tasten zeigen Funktionen an, die nur mit Hilfe des Fernbedienungsgerätes aktiviert werden können.

POUR LES LECTEURS FRANCAIS • FENETRE D'EMISSION • TOUCHE DAT/CONTROLE DE 1

FENETRE D'EMISSION TOUCHE DAT/CONTROLE DE BANDE

TOUCHES DE FONCTION VIDEO (VIDEO FUNCTION)
TOUCHES DE FONCTION ADIDIO (ALDIO FUNCTION)
TOUCHES DE REPORTION ADIDIO (ALDIO FUNCTION)
TOUCHES D'AMBIANCE (SURROUND)
*TOUCHES DE TONALITE TEST (TONE TEST)
*TOUCHES DE MEMOIRÉ PERSONNALISÉE
(PERSONAL MEMOIRÉ)

TOUCHES DE VOLUME GLOBAL (MASTER VOLUME) &TOUCHES DE REGLAGE DE NIVEAU ARRIERE (REAR LEVEL)

☆TOUCHES DE REGLAGE DE NIVEAU CENTRAL (CENTER LEVEL)

FINESTRELLA DI TRASMISSIONE TASTO DELLA PIASTRA DAT/MONITORAGGIO DEL TASTI DELLA FUNZIONE VIDEO TASTI DELLA FUNZIONE AUDIO TASTI SURROUND PER IL LETTORE ITALIANO
FINESTRELLA DI TRASM
TASTO DELLA PIASTRA NASTRO

☆TASTO DEL TONO DI PROVA

ATASTI DELLA MEMORIA PERSONALE TASTI DEL VOLUME PRINCIPALE ↑ ATASTI DI REGOLAZIONE DEL LIVELLO POSTERIORE ↑ TASTI DI REGOLAZIONE DEL LIVELLO CENTRALE ↑ TASTI DI REGOLAZIONE DEL LIVELLO CENTRALE

VENTANILLA TRANSMISORA BOTON DAT/TAPE MONITOR

BOTONES SELECTORES DE ENTRADA DE VIDEO BOTONES SELECTORES DE ENTRADA DE AUDIO BOTONES DE SONIDO ENVOLVENTE ÉMOTON DE TONO DE PRUEBA (TEST TONE) SEDOTONES DE MEMORIA PERSONAL PARA LECTORES DE ESPAÑOL

10 VENTANILLA TRANSMISORA

10 BOTON DAT/TAPE MONITOR

10 BOTONES SELECTORES DE E

10 BOTONES SELECTORES DE E

10 BOTONES DE SONIDO ENVO

10 \$\$480TON DE TONO DE PRUE

10 \$\$480TONES DE MEMORIA PE

(PERSONAL MEMORY)
BOTONES DE VOLUNKIN PRINCIPAL
¢BOTONES DE VALUNKIN PRINCIPAL
(REAR LEVEL)
¢BOTONES DE AJUSTE DE NIVEL TRASERO
(REAR LEVEL)
¢BOTONES DE AJUSTE DE NIVEL CENTRAL
(CENTRA LEVEL)

VOOR NEDERLANDSTALIGE LEZERS

VIDEOFUNKTIETOETSEN (VIDEO FUNCTION) AUDIOFUNKTIETOETSEN (AUDIO FUNCTION) ZENDVENSTERTJE DAT/TAPE-MEELUISTERTOETS (DAT/TAPE MONITOR) 00

SURROUND-TOETSEN

\$*TESTTOONTOETS (TEST TONE)

\$*PERSOONLJJK GEHEUGENTOETSEN
(PERSONAL, MEMORY)
HOOFDVOLUMETOETSEN (MASTER VOLUME) 90999 00

AMIDDENNIVEAU-INSTELTOETSEN (CENTER LEVEL ADJUSTMENT) AACHTERNIVEAU-INSTELTOETSEN (REAR LEVEL ADJUSTMENT) 8

DAT-/däckomkopplare (DAT/TAPE MONITOR) Videotangenter (VIDEO FUNCTION)
Audiotangenter (AUDIO FUNCTION)
SURROUND-tangenter

\$\frac{\pi}{\pi} \text{Testtontangent} (TEST TONE) FÖR SVENSKA LÅSARE

© Sändarfönster

© DAT-/däckom/sopplare

© Videotangenter (VIDEO

G Audiotangenter (ADDIC

G SURROUND-tangenter

© TEStfontlangent (TEST)

(PERSONAL

☆Tangenter för justering av den bakre nivån (REAR LEVEL ADJUSTMENT) 화Tangenter för justering av mittkanalnivån (CENTER LEVEL ADJUSTMENT) Ljudstyrketangenter (MASTER VOLUME) 00 **a**

D TOUCHE D'ALIMENTATION (POWER)

D ATOUCHE DE SOURDINE (MUTING)

D TOUCHE DE REGLAGE DE RETARD

(DELAY TIME ADJUSTMENT)

D TOUCHES PREFEGLAGE DE TUNER

D TOUCHES DE SYSTEME DE PLATINE CASSETTE

(TAPE DECK SYSTEM)

Les touches marquées " \(\precede \) indiquent des fonctions disponibles seulement sur la télécommande. TOUCHES DE SYSTEME CD (CD SYSTEM)

(D) TASTO DI ACCENSIONE (D) ≤:TASTO DI SILENZIAMENTO (B) TASTI DI REGOLAZIONE DELLA DURATA DEL

TASTI DI PRESELEZIONE DEL SINTONIZZATORE TASTI DELLA PIASTRA A CASSETTE TASTI DEL SISTEMA CD RITARDO

Lasti che recano il marchio " $\mbox{\it the}$ " indicano funzioni che sono disponibili solo usando il telecomando.

INTERRUPTOR DE ALIMENTACION SABOTON DE SILENCAMBINTO (MUTING) BOTONES DE ALUSTE DE TIEMPO DE RETARDO BOTONES DE PRESINTONIZACION BOTONES DE MAGNETOFONO DE CASSETTES BOTONES DE REPRODUCTOR CO

Los botones marcados " $\mbox{$\alpha$}$ " indican funciones sólo disponibles en la unidad de control remoto.

PRANNINGSTOETS (POWER)
 **DEMPINGSTOETS (MUTING)
 VERTRAGINGSTIJD:NISTELTOETSEN
 (DELAY TIME ADJUSTMENT)
 LIUMER VOORKEUSETFOETSEN
 TAPEDECK-SYSTEEMTOETSEN (TUNER PRESET)
 (DELAY SYSTEEMTOETSEN (TA

De met " '' '' gemerkte toetsen duiden funkties aan die enkel met de afstandsbediening kunnen worden gebruikt.

देरDämptangent (MUTING) Tangenter för justering av tidsfördröjningen (DELAY TIME ADJUSTMENT) Strömbrytare (POWER)

Snabbvalstangenter (TUNER PRESET) Systemlangenter för kassettdäcket (TAPE DECK SYSTEM) CD-tangenter (CD SYSTEM)

Tangenter märkta " 🌣 " motsvarar funktioner som bara kan utnyttjas via fjärrkontrollen.

We greatly appreciate your purchase of the AVR-800.
 If O be sure you take maximum advantage of all the features the AVR-800 has to offer, read these instructions carefully and use the sure to keep this manual for future reference should any questions or problems arise.

ACCESSORIES

Check that the following parts are included in addition to the main unit:

6 FM indoor antenna S AM loop antenna A September

INSTALLATION PRECAUTIONS

Using this receiver or other electronic equipment containing microprocessors simultaneously with a tuner or TV may result in

- into propose a sound or picture.

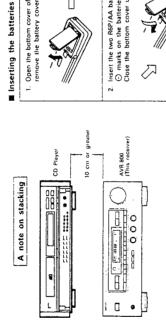
 If this should happen, lake the following steps:

 If this should happen, lake the following steps:

 Keep the alternal intex of the function of Y set.

 Keep the alternal intex of the function of Ys at as a possible from the receiver's power cord and connection cables.

 This problem is especially frequent when using indoor antennas and 75 ohm coaxiel cables.



For cooling purposes, do not place another AV component directly on top of the receiver. Be sure to leave a space of at least 10 cm.

• TABLE OF CONTENTS

9, 10 2 2 2 Multi Function Display (MFD) Tape Monitor Function Remote Control Unit Remote Control Unit Using Headphones Names of Parts Note on Use Front Panel Connections Introduction Rear Panel Recording Playback. Θ [2]

=	ጟ	12	13	33	7		7	7	25	15	15	77
10 Listening to the Radio	[1] Surround Playback12~14	Surround Modes	 Using Dolby Pro Logic Surround 12, 13 	Other Surround Modes	Using the Personal Memory	 Operations Possible in the Various 	Surround Modes	[12] Initialization of the Microprocessor	[13] Troubleshooting	[id] Last Function Memory	15 Specifications	DENON SERVICE NETWORK

Following the procedure outlined below, insert the batteries before using the remote control unit. 3 REMOTE CONTROL UNIT ■ Range of operation of the remote control unit

Point the remote control unit at the remote control sensor as shown on the diagram at the left.

•

The remote control unit can be used from a straight distance of approximately 7 meters, but this distance will shorten or operation will become difficult if there are obstacles between the remote control unit and the remote control sensor, if the remote control sensor is exposed to direct sunlight or other strong light, or if operated from an angle.

Noon signs or other devices emitting pulse-type noise nearby may result in mallunction, so keep the set as far away from such devices as possible.

10050111

1. Open the bottom cover of the remote control unit and

remove the battery cover

- Use only R8P, AA, UM-3 batteries for replacement.
 Be sure the polarities are correct. (See the illustration inside the battery compartment.)
 Remove the batteries if the remote control transmitter will not be used for an extended period of time.
 It batteries leak, dispose of them immediately. Avoid touching the leaked material or letting it come in contact with clothing, etc. Clean the battery compartment thoroughly before install
 - ing new batteries. When replace both batteries with new ones.

Insert the two RGP/AA batteries, matching the \oplus and \ominus marks on the batteries with those in the case. Close the bottom cover until it clicks shut.

2

■ System codes

The system codes for Denon tape decks and CD players are set in this remote control unit.



CD system buttons With these buttons a Denon remote controllable CD player can be controlled directly. For details, refer to the CD player's operating instructions. Note that operation may not be possible for some models. Het and PM: Auto search

Sessor

Iterverse and forward)

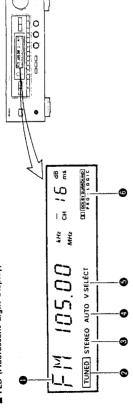
Control of the control o ►: Play
■: Pause
■: Stop

→ Continued

4 MULTI FUNCTION DISPLAY (MFD)

The MFD indicates the operating modes when operations are performed and when PANEL button is pressed.

■ FLD (Fluorescent Light Display)



MULTI FUNCTION DISPLAY

Normally the reception frequency is displayed when the function is set to tuner, and the surround mode is displayed when the function is set to other positions. The display also indicates various other information according to the buttons pressed.

TUNED (TUNED indicator)
This indicator lights when broadcast signals are received

STEREO (Stereo Indicator)
The STEREO indicator will automatically light up when a stereo broadcast is received.

■ To check the settings of the different modes



Turning the FLD off. ■ FLD OFF

The FLD display changes continuously and finally turns off. Now when a button is prussed, the related display appears for a few seconds then turns off automatically. 1. Press and hold in the PANEL button. Press the PANEI, button once again. 2. Turning the FLD back on.

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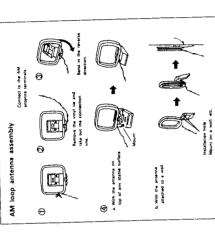
♣ AUTO TUNING (AUTO TUNING Indicator)
This indicator lights when the auto tuning mode is selected by pressing the TUNING MODE button.

This indicator lights when the video monitor output is fixed in the video select mode. V. SELECT (VIDEO SELECT Indicator)

DOLBY SURROUND Indicator
This indicator lights when DOLBY PRO LOGIC, 3CH. LOGIC are selected. 0

5 CONNECTIONS

Connecting the antenna terminals



antenna has been installed.
When contenting an undoor FM artenue, the use of 75 ohm coaxal cable (3C-2V, SC-2V) is strongly recommended. Using a 3DO-bini tedest cable will cause noise and you will not be able to active the high sound quality the built in tuner is capable of delivering.

• AM ANTENNA • IM ALTERIAN

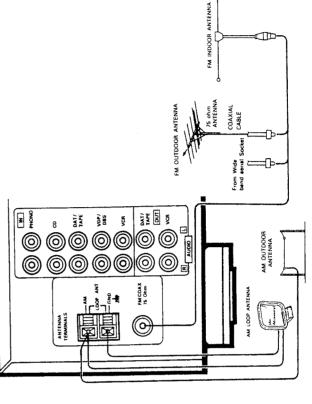
The supplied Type indoor FM anterna (300 ohms)
can be used inside vooden housed for referving local
fm stations and other strong FM signals. Siretch out
the ends of the anterna and mount the anterna on
the wall or celling where optimizem reception is
achieved FM Type anterna may not consistently
ensure stable reception, due to environment
changes. In sinch cases, the FM Type anterna
should only be used temporatriy until an outdoor FM
stood only be used temporatriy until an outdoor FM

the daugram, then place it in a pusition where reception is good in some cases reception is the pularities are inverted. AM broadcasts will not be received with it he loop antenna is not connected or

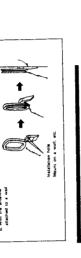
Assemble the included AM loop antenna as show

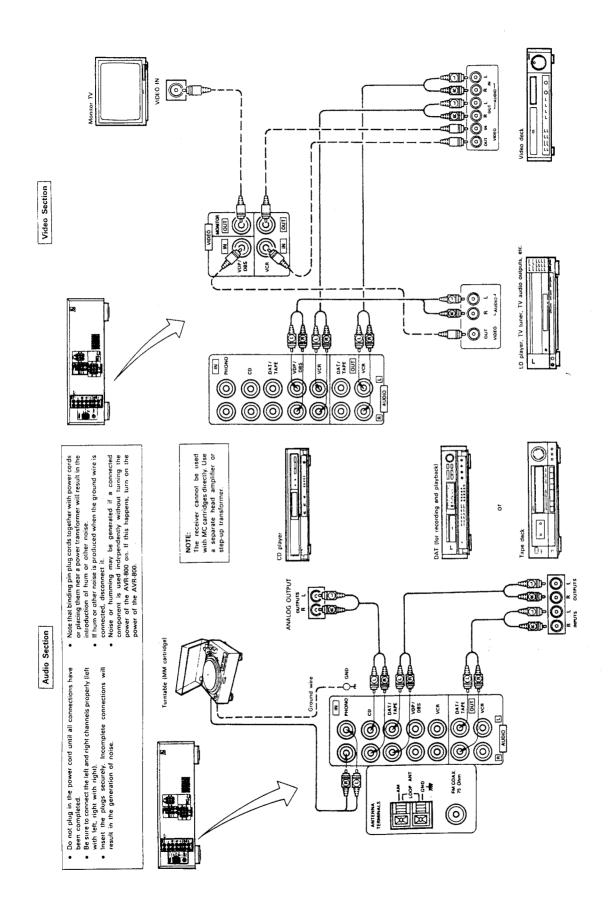
if it is connected but near a metal part. Attach the loop antenna even when using an outdoor

Adjust the loop antenna to obtain optimum reception. Where brandcast stations are obtained and only weak signals are received, or where signals are locked, it is best to install an outdoor AM antenna liocked, it is best to install an outdoor AM antenna.

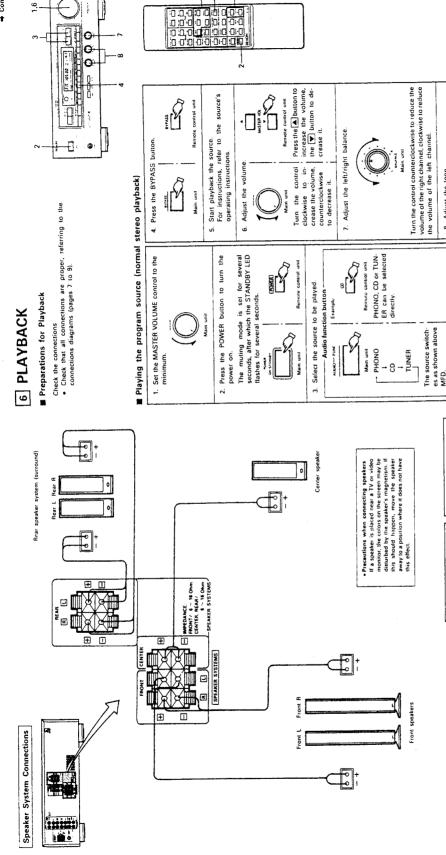


ANTENNA INSTALLATION





■ Continued



Connecting the center and rear speaker terminals. Peel off the sheath. Preparing the cord Twist the wires. Peel Twist. T C When making connections, take care that none of the individual conductors of the speaker cord come in contact with adjacent terminals, with other speaker cord conductors, or speakers, and one center speaker.
Connect the speaker terminals with the speakers making sure that like polarities are matched (θ , with θ). Θ with Θ). Mismatching of polarities will result in weak central sound, unclear orientation of the various instruments, and the sense of direction of the stereo being impaired. This receiver can accommodate connections of a total of five speakers including one set of front speakers, one set of rear

2. Insert the cord and re-lease the lever. 1. Press the lever

VDP/DBS and VCR can be selected di-rectly. Renioze control unit The source switch-es as shown above, MFD. VDP/DBS Main unit → S.

treble, counterclock-wise to decrease it. Turn the control clock-wise to increase the bass, counterclock-wise to decrease it. NOTE

Turn the control clockwise to increase the

Main unit

8. Adjust the tone

Video function button

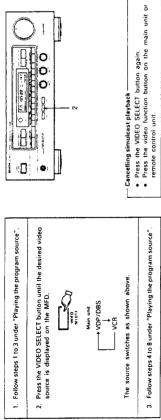
The sound may be interrupted if switches are operated during playback. This is because the muting circuit is activated to prevent switching noise.

with the rear panel.

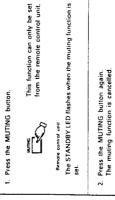
Speaker Impedance

Speakers with an impedance of 6 to 16 ohms can be connected for use as front speakers 8 to 16 ohms can be connected for use as center and rear speakers.
 Using speakers with an impedance other than the specified one may result in damage. Be sure to use speakers of the specified impedance.

sources simultaneously) Simulcast playback (playing different video and audio



■ Using the muting function
Use this to turn off the audio output temporarily.



1,2-

7 RECORDING

(recording the source currently being manitored) Recording the program source

Follow steps 1 to 3 under "Playing the program source"

Start recording on the tape or video deck. For instructions, refer to the component's operating instructions.

Simultaneous recording

The signals of the source selected with the function selector button are output simultaneously to the DAT/TAPE and VCR REC OUT sizeds. If a total of two tape and/or video decks are connected and set to the recording mode, the same source can be recorded simultaneously on both decks. In adminiorably on both decks. In addition, if the TAPE MONITOR (DAT/TAPE) button is pressed, the audio signals from the tape deck are output to the VCR AUDIO REC OUT jacks.

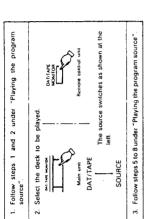
8 TAPE MONITOR FUNCTION

Use this function to switch between the DAT or tape deck and the input (source) selected with the audio or video function buttons. ■ When playing a DAT or tape deck

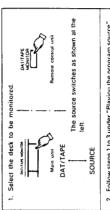
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Monitoring the recording on a three-headed tape deck The sound actually being recorded can be monitored during recording when a three-headed tape deck is used.



3. Start recording on the tape deck. For instructions, refer to the component's operating instructions. 4. Press the three-headed tape deck's source/tape button to monitor the recording. 2. Follow steps 1 to 3 under "Playing the program source".

NOTE:

• Also refer to the three-headed tape deck's operating instructions.

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The sound from the speakers can be tunned off using the OUTPUT button to listen to the sound over the headphones only, for example at night.

1. Press the OUTPUT button.

The recording source switches if the audio function, video function, personal memory "1" or "2" or tuner preset buttons are pressed during recording. Do not press these buttons during recording.

NOTE:

9 USING HEADPHONES

Either press the OUTPUT button again or press the POWER button to turn off the power. Cancelling

2. Insert the headphones' plug into the headphones' jack.

"H/P ONLY" appears on the MFD.

Fr ds ap 000 ---

0

The "CH" (Dindicator on the MFD

flashes.

3. Select the preset channels

1. Follow steps 1 to 4 under "Tuning" to tune in a station.

2. Press the MEMORY button

■ Storing stations at the preset buttons

2,4

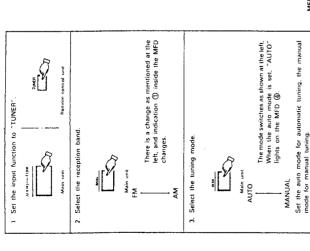
+12 -- 16 --

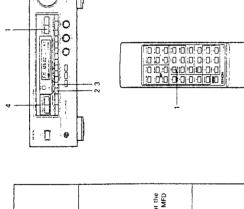
1

Main unsi

10 LISTENING TO THE RADIO







MFD display	e-		FM 105.00 mm	TUNED STENEO AUTO V SELECT))			•
Set the auto mode for automatic tuning, the manual mode for manual tuning.	4. Tune in the station.	(4) WHI 10 10 10 10 10 10 10 1		Main unit	In the manual tuning mode: Press the UP button once to increase the frequency by	one step, the DOWN button once to decrease the	The frequency changes continuously when the but-	tons are held in.	The "TUNED" indicator @ lights on the MFD when a	in poort in actions

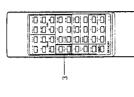


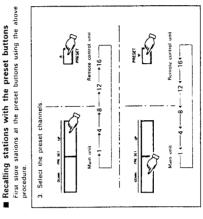
- The preset memory standby mode is set for 10 seconds when the MEMORY button is presets. The preset memory standby mode is cancelled if any button other than preset buttons, the MEMORY button is pressed

. []

Press the MEMORY button that you want to store to memory.

-12 --- 164-





NOTES:

station is tuned in.
In the auto tuning mode:
When the UP or DOWN button is pressed, automatic
searthing begins, and searching stops when a station
is tuned in.

- When in the auto tuning mode on the FM band, the "STEREO" indicator @ lights on the MFD when a stereo broadcast is tuned in At open frequencies, the noise is nuured and the "TUMED" @ and "STEREO" @ indicators turn of!
 When the manual funing mode is set, FM stereo broadcasts are received in monaural and the "STEREO" indicator @ turns off.

11 SURROUND PLAYBACK

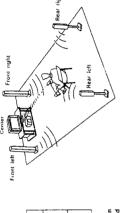
■ SURROUND modes

The surround modes are as follows:

-	Dolby Pro Logic	Use this when playing program sources recorded in Dolby Surround or Dolby stereo.
2	HALL	Use this setting to create the aimosphere of a concert hall. There will be no output from the center speaker.
က	STUDIO	Use this setting to create the atmosphere of watching a live program in a studio. There will be no output from the center speaker.

- These effects may not be very pronounced for some sources. To adjust for the Dolby Pro Logic Surround mode as explained on page 13, then use the position of the center level and rear level controls at this time as a guide to adjust the balance for that surround mode.

Manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol CD are trademarks of Dolby Laboratories Licensing Corporation.



Dolby 3CH. Logic (three-channel logic mode)

Select this mode when not using rear speakers.

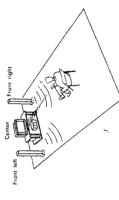
modulus de la character de la	NORMAL WIDE
---	-------------

Ideally, center speakers should be used when playing sources in Dotby Pro Logic Surround. Select the center mode according to your

· Speaker disposition and the Dolby Pro Logic Center mode

■ Using Dolby Pro Logic Surround

1. Set the Dolby Pro Logic mode.

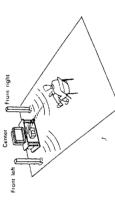


3CH. LOGIC mode

Center Mode

1. Set the Dolby Pro Logic mode.	c mode.
Ÿ	P
Main unit	Remote control unit
2. Press the 3CH. LOGIC button	button.
3CH, LOGIC M	Main unit The mode changes as shown at the left.
3. Select the center mod system.	
NORMAL WIDE The mode changes as shown above.	shown above.

3CH. LOGIC MODE



channel speaker is smaller than the left and right speakers Signals below 100 Hz which have almost no effect on directional orientation are distributed to the left and right channels, whereas he center channel output signals greater than 100 Hz As a result, the bass of the firl and right channels increases the apparent deepness of the sound. This mode is suited for an arrangement in which the center

PHANTOM mode

Use this mode when center channel speaker is not used. A directional emphasis circuit provides signal reproduction which is electricity oriented to the center and this provides an exciting sound field for your enjoyment.

WIDE mode

This mode is suited for an arrangement in which the center channel speaker is of the same grade as the left and right speakers. The entire sound band from low region to high is output to the center channel to provide an exciting sound field for your enjoyment.

The mode changes as shown above. -NORMAL -----PHANTOM

WIDE ←~

mode.

2. Select the center Main unit

Use this mode when rear channel speakers are not used. The rear channel information is reproduced by the front speakers.

♣ Continued

To obtain the maximum surround effect, use the test tones to adjust the volume and balance of the speakers for the best balance for the listering position and so that the sound from all the speakers is heard at the same level. Set the master volume control to a suitable level, then adjust using the following procedure.

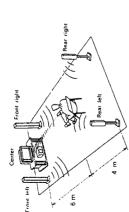
· Speaker volume adjustment and Dolby Pro Logic mode

3. To decrease the level of the center speakers.

Setting the delay time

position. Referring to the chart at right, set the optimum delay time for your room's space and sealing position. For example when the distance from the front speakers to the listening position is 6 m and that from the rear speakers to the listening The optimum delay time will differ depending on the listening position is 4 m, the optimum delay time will be 21 ms. The variable range of the delay time differs depending on the

mode. For details about the variable range, see Page 14.



Listening position and optimum delay time for playback with Dolby Pro Logic surround (ms) 10 5 12 0 [m] 8.0 Distance from the front speakers to the listening position 3.5 1.5 3.0 4.5 O Suitable
A Possible
X Impossible 57 Distance from the rear speakers to the listening poistion of 2.5 a.0 2 اس) 0.51 9.0r 5.1

4. To increase the level of the rear speakers.

Test tones are produced from the speakers in the order shown below, at 4 second intervals for the first two cycles, 2 second

More Thank Remote control unit

1. Press the T.TONE button.

FI-C-E

intervals after that.

2. To increase the level of the

center speakers.

CENTER CONTOL UNIT

5. To decrease the level of the rear speakers.

PE A.A

Remote control unit

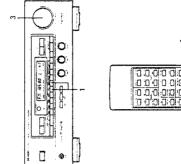
6. Press the T.TONE button again.

Remote control unit ş.[¥ Remote control unit 2. To decrease the delay time. 1. To increase the delay time Main unit

0

• The test tone will not move on to the next channel when it is being entitled from the center channel and the (evel of the center speakers is being adjusted, or when it is being emitted from the rear channel and the level of the rear speakers is being adjusted, it only moves on to the next channel approximately two seconds after the level key has been released.

Once the delay time is set, there is no need to readjust it unless you change the speaker system or the listening position.
 It is available to memorize the adjusted values of delay time and rear (center) level for each surround mode.

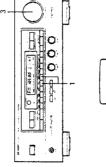


DOLBY PRO LOGIC

2. Play the desired software.

3. Adjust the volume.

STUDIO



Sole Mook

1. Set the HALL mode/STUDIO mode.

Other Surround Modes

HALL mode / STUDIO mode

Remote control unit Main unit

Adjust the level of the center and rear channels.
 Adjust the levels according to the source, using the Dolby Pro Logic seltings as reference.

5. Adjust the delay time as desired.

■ Using the Personal Memory

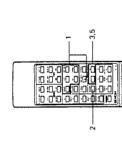
Surround mode settings and the input function can be stored at personal memory buttons "1" and "2", then recalled directly from any surround mode simply by pressing button "1" or "2".

[1] Storing the setting in the personal memory

Set the desired surround mode and input function.	2. Press the personal memory button.	Remote comed unit (The memory setting mode is set and the indicator on the MFD flashes.)	3. Press the desired personal memory button ("1" or "2").
---	--------------------------------------	--	---

~ _ -

"M 1 (2) SET" appears on the MFD indicating that the setting has been stored. The memory setting mode is set for 6 seconds. If any button other than personal memory button "1" or "2" is pressed, the memory setting mode is cancelled.



Remote control unit

2 Recalling the personal memory

5. Press the personal memory button ("1" or "2") at which the desired setting was stored. \overline{Q} Remote control unit ~[] -[]

The surround mode and input function switch automatically.

- Personal memory buttons '1' and '2" will not function during the tape monitor mode.
 The surround mode recalled with the PERSONAL MEMORY '1' or '2' button is the same as the mode selected with the surround mode button. Thus, if the parameters of the surround mode which was stored in the memory are cleared, when the mode is recalled it is set to the initial values.
 - Upon shipment from the factory, the "DOLBY PRO LOGIC" mode is stored at personal memory "1", the "HALL" mode at personal mampory "2". The input function is set to VDP/DBS for both "1" and "2".

 Do not press personal memory buttons "1" or "2" buttons during recording on the cassette deck.

Operations Possible in the Various Surround Modes

The following is a list of the buttons and functions which can be operated during the different surround modes. Figures in parentheses indicate adjustment ranges.

		OUTPUT	OUTPUT CENTER LEVEL	REAR LEVEL	CENTER	LOGIC	TONE	DELAY TIME
BYPASS		0	×	×	-1	×	×	×
	NORMAL	0	O (0~-24dB)	O (0~-24dB)	0	0	0	O (15~30ms)
DOLBY PRO LOGIC	PHANTOM	0	×	O (024dB)	0	×	0	O (15~30ms)
	WIDE	0	O (0~-24dB)	O (024dB)	С	0	0	O (15~30ms)
	NORMAL	0	O (024dB)	×	0	0	0	×
DOLBY 3CH LOGIC	WIDE	0	O (0~-24dB)	×	0	0	0	×
HALL		0	×	O (024dB)	1.77	×	×	O (0~33ns)
STribio		0	×	O (0~-24dB)	1,77	×	×	O (0-33ms)

Switches to the Dolby Pto (3CH) Logic for any modes other than Dolby Pto (3CH) Logic The level of the context and rear channels can be adjusted by \hat{Z} 4B step. The dealy time can be set by 1.5 ms step.

000 000

The sound may be distorted for some sources if the rear level is raised during surround playback.
 If this happens, lower the rear level.

12 INITIALIZATION OF THE MICROPROCESSOR

When the indication of the MFD display is not normal or when the operation of the unit does not shows the reasonable result, the initialization of the microprocessor is required by the following

procedure.

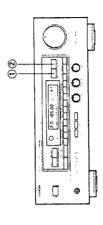
1. Switch off the unit and remove the AC power cord from the Hold the following 2 buttons of the main unit at the same time (as illustrated in the diagram below, () AUDIO FUNCTION button, () VIDEO FUNCTION button) and plug the power cord

into the outlet.

Check that the entire MFD display is flashing with an interval of about 1 second, and release your finger it from the 2 butions. Switch on the unit and the microprocessor will be initialized. The input function is set to tuner with the bypass mode.

automatically.

NOTE: • When the unit does not show the result of above 3 and 4, repeat the procedure from 1 again and 4, repeat the procedure store is missingly a setting to when the microprocessor is ministed, all settings you have made are reset to the factory preseltings.



Initial parameter values for the different modes

	OUTPUT	LEVEL	LEVEL	MODE	1001	TIME
BYPASS	NO.	1	1	ı	í	1
DOLBY PRO LOGIC	ž	-1248	-12dB	NORMAL	OFF	21msec
HALL	š	1	-12dB	1	1	21msec
STUDIO	Š	1	-12dB	1	t	21msec

INPUT FUNCTION : TUNER
 Reception band : FM
 Reception mode // : AUTO
 Reception frequency : 87.5MHz (for Morth American models)
 Reception frequency : 87.50MHz (for multi-voltage models)

PERSONAL MEMORY 1
 INPUT

DOLBY PROLOGIC VDP/DBS HALL VDP/DBS SURROUND MODE

PERSONAL MEMORY 2
INPUT SURROUND MODE

TROUBLESHOOTING

If a problem should arise, first check the following:

1. Are the connections correct?
2. Have you operated the amplifier according to the Operating Instructions?
3. Are the speakers, turnable, and other components operating properly?
Hithe receiver is not operating properly, check the items listed in the able below. Should the problem persist, there may be a mailunction.
Disconnect the power immediately and contact your storne of purchase.

		1				Г
	Symptom		Cause	Measures	Page	Output terminals:
.sb	MFD not lit and sound not produced when power switch set to on.	•	Power cord not plugged in securely.	 Check the insertion of the power cord plug. 	ord 5	Line input (Each line
o the CD, recoi	MFD in but sound not produced	• • • • • • • • • • • • • • • • • • • •	Speaker cords not securely connected. OUTPUT button is off. Improper position of the audio function button Volume control set to minimum. MUTING is on.	Connect securely. Press the OUTPU button. Set to a suitable position Turn volume up to suitable level. Switch off MUTING.	0 0 0 0 0 0	
when listaning t	-PROTECT - display appears nutili-		Speaker terminals are short-circuited. Block the ventilation holes of the set. The unit is operating at continuous high hower conditions and/or inadequate ventilation.	Switch power off, connect speakers properly, then switch power hark on. Turn off the set's power, then ventilate it well to cool it down. Once the set is cooled down, turn the power back on.	op. 9	Phono equalizer (PP RIAA deviation: Signal-to-noise rati Rated outpur / Maxi Distortion factor:
gnisis em rosdeasts,	Sound produced only from one channel.	•••	Incomplete connection of speaker cords. Incomplete connection of input/output cords. Left/right balance is off.	Connect securely. Connect securely. Adjust balance knob property.		• T.
n probler ind FM b	Positions of instruments reversed during stereo playback.	•	Reverse connections of left and right speakers or left and right input/output cords.	Check left and right connections.	cc .	9 50 dB Quieting Si
отт 6 ,29	Sound seems distorted.	•	Rear level is too high.	Set the rear level to lower level.	13.	14 Signal to Noise M
de)	Personal memory function does not work	•	DAT/tape monitor mode set.	 Press the DAT/TAPE button to set the source. 	the 10	
	Humming noise produced when record is playing	• ••	Ground wire of turntable not connected properly. Incomplete PHONO jack connection. TV or radio transmission antenna nearby.	Connect securely. Connect securely. Connect securely. Contact your store of purchase.	60 EO I	(AM) Receiving Range Usable Sensitivit Signal to Noise R
piaying records	Howling noise produced when volume is high.	• •	Turntable and speaker systems too close together. Floor is unstable and vitrates easily.	Separate as much as possible. Use custions to absorb speaker vibra- tions rearmitted by floor. If turntable is not equipped with insulance, use audio insulance foommonity available.	e is idio	Video Section Standard video jack Input and output te Frequency respons
ωθψM	Sound is distorted.	•••				•
	Volume is weak.	•	ML carridge being used.	 Replace with MM cartridge or use a head amplifier or step-up transformer. 	g pea	
Remote control	Receiver does not operate properly when remote control unit is used	•••	Batteries dead. Benote control unit too far from receiver. Obstacle between receiver and remote control unit of the Different button is being pressed. There is an a first of battery inserted in fevrits.	Replace with new batterins. Move Goser. Remove obstacle. Press the proper button. Insert batteries properly.		Weight: 6 • Remote control uni System remote cor 6 RC-169:

14 LAST FUNCTION MEMORY

This receivor is equipped with a last function memory which stores the input and output setting conditions as they were immediately
before the power is switched off.
 This function eliminates the need to perform complicated resettings when the power is switched on.
 This receiver is also equipped with a back-up memory. This function provides approximately one week of memory storage with the
power cord disconnected.

15 SPECIFICATIONS

Audio Section	
(Power amplifier)	Front (main 2ch driven)
Rated output:	60 W + 60 W (8 ohms, 20 Hz - 20 kHz with 0.1% THD)
(Althroperties shown are	CENTER (center 1ch driven)
only for the power	60 W (8 ohms, 20 Hz ~ 20 kHz with 0.1% THD
amplifier stage.)	REAR (rear 2ch driven)
	15 W + 15 W (8 ohms, 1 kHz with 0.5% THD)
Output terminals:	Front: 6 to 16 ohms
•	Center: 8 to 16 ohms
	Rear: 8 to 16 ohms

PHONO (MM): 2.5 mV / 47 kohms ± 10 dB at 100 Hz ± 10 dB at 10 kHz ± 1 dB (20 Hz to 20 kHz)
74 dB (A weighting, with 5 mV input)
150 mV/8 V
0.03% (1 kHz, 1 V) 150 mV/47 k ohms TREBLE: 92 dB (BYPASS) 10 Hz to 50 kHz: neinput (Each line input – FRONT SP OUT) out sensitivity / Impedance: 150 mV/ ono equalizer (PHONO input - REC OUT) inal-to-noise ratio: ted output / Maximum output: nal-to-noise ratio ne control range:

1.6 µV (15.3 dBf) 23 µV (38.5 dBf) // (note: μV at 75 ohms, 0 dBf = 1 × 10 15 W)
Receiving Range: 87.50 MHz ~ 108.00 MHz 522 kHZ ~ 1611 kHz 18 µV 50 dB 1.0 µV (11.2 dBI)
MONO 1.6 µV (
STEREO 23 µV (
MONO 80 dB
STEREO 75 dB
MONO 0.4%
STEREO 0.5% Signal to Noise Ratio (IHF-A): 50 dB Quieting Sensitivity: Total Harmonic Distortion Usable Sensitivity: Signal to Noise Ratio: Jsable Sensitivity: Receiving Range: at 1 kHz):

1 Vp-p/75 ohms 2 Hz to 8 MHz + 0, -3 dB Video Section Standard video jacks Input and output level / impedance: Frequency response:

AC 230 V, 50 Hz (for Europe model)
AC 240 V, 50 Hz (for Europe model)
200 W
434 (W) x 142 (H1 325 (D) mm (17-3/32" x 5-19/32" x 12-51/64")
9.1 kg (20 lbs 1 oz) wer supply:

wer consumption: sximum external dimensions: Remote control unit ystem remote control 7-169:

6 buttons 6 buttons Cassette deck: AVR-800 fixed codes: Batteries: External dimensions: Weight: Total buttons: DENON system code CD player:

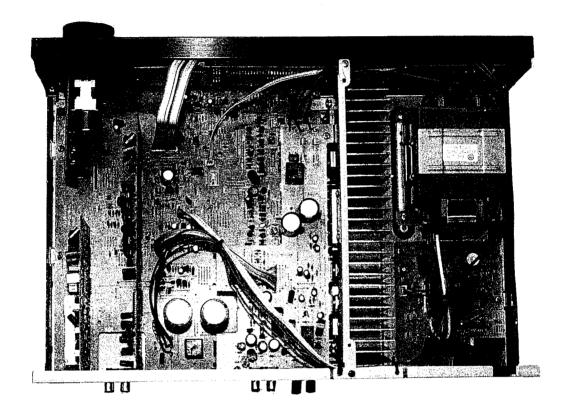
R6P/AA Type (two bateries) 55 (W) × 18 (H) × 180 (D) mm (2·11/64" × 45/64" × 7·3/32") 110 g (Approx. 4 oz) (including batteries)

· For purposes of improvement, specifications and design are subject to change without notice.

MEMO:

WIRE ARRANGEMENT

In case of wires require unclasping or loosening to move the location to perform adjustment or part replacement, be sure to rearrange them neatly to restore properly in the same location as they were originally placed, or causing to produce a noise may occasionally occur.

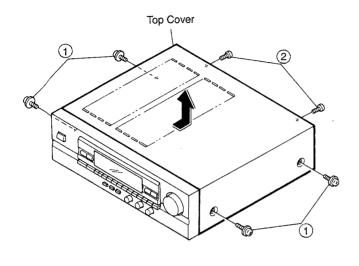


DISASSEMBLY

(To reassemble reverse disassembly)

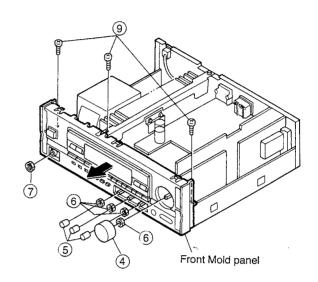
1. Top Cover

Remove 4 screws (1) and 2 screws (2).



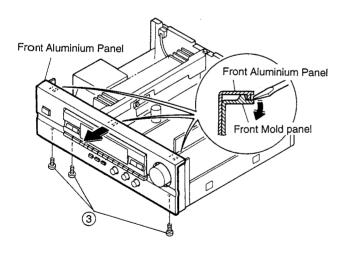
3. Front Mold Panel

- (1) Pull out Volume knob 4 and 3 round knobs 5.
- (2) Remove 4 nuts 6 and nut 7.
- (3) Remove 3 screws 9.



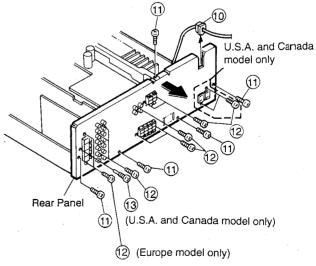
2. Front Aluminium Panel

Remove 3 screws (3) and undo hooks at 3 places.



4. Rear Panel

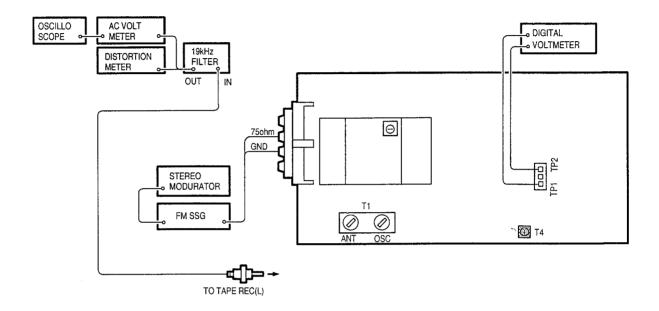
- (1) Disconnect cord bush 10 .
- (2) Remove 5 screws (1), and 10 screws (2), and a screw (3).
 - * Screws (2) is tighten.



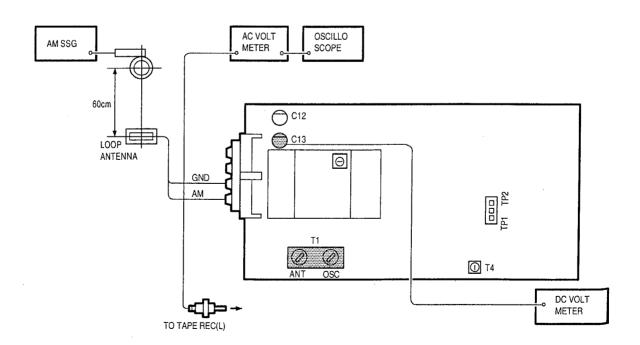
ADJUSTMENT

● TUNER SECTION CONNECTION DIAGRAM OF MEASURING INSTRUMENTS

• FM



AM



FM/MPX ALIGNMENT

	Remarks	Function: FM Mode: Auto
Adjust	Adjust to	± 50mV
Ą	Points	T4
Jutput	Connect to	T.P. 1,2
O	Туре	Digital Voltmeter
	Coupling	Antenna Terminal
	Modulation	None
Input	Input Level	60 dΒμ
	Frequency	98.0 MHz (98.00)
	Type	FM SSG
Tuning	Frequency	98.0MHz (98.00)
	Alignment Item	Tuning Center
	Step	-

() are Europe model.

AM ALIGNMENT

Remarks		Function : AM	Function : AM	Function : AM	Function : AM
Adjust	Adjust to	1.0 V ± 100mV	less than 9.0V (check the voltage)	Maximum Output	Maximum Output (check)
	Points	T1 (OSC)		T1 (ANT)	
Output	Connect to	C13 (+ Side) GND	Electric DC C13 (+ Side) Voltmeter GND	TAPE REC (L) -1	TAPE REC (C) -1
	Type	Electric DC Voltmeter	Electric DC Voltmeter	Audio V.M.	Audio V.M.
	Coupling	Loop Antenna	Loop Antenna	Loop Antenna	Loop Antenna
Input	Modulation	400 Hz 30%	400 Hz 30%	400 Hz 30%	400 Hz 30%
	Input Level	Input Level is not over to work A.G.C.			
	Frequency	520 KHz (522 KHz)	1710 KHz (1611 KHz)	600 KHz (603 KHz)	1400 KHz (1404 KHz)
	Type	AM SSG	AM SSG	AM SSG	AM SSG
Tuning	Frequency Setting	520 KHz (522 KHz)	1710 KHz (1611 KHz)	600 KHz (603 KHz)	1400 KHz (1404 KHz)
Alignment Item		Receiving Band Alignment		Tracking Alignment	
	Step	-		8	

() are Europe model.

• Initiating (Memory clearing) Method

To clear memory contents of microcomputer and restore to the initial state, take the following steps;

- 1. Press power switch, turn off power of the unit, and set to standby mode.
- 2. Pull out power cord from wall outlet temporarily.
- 3. Insert power cord into outlet while simultaneously pressing two keys of AUDIO and VIDEO.
- 4. Press power switch to confirm that memory contents are cleared.

By completion of the above, the initial state is restored. In case the memory can not be cleared due to some reasons, repeat steps 1 through 3.

AUDIO SECTION

Idling Current (1U-2650-1)

Required measurement equipment: DC Voltmeter

Arrangement

(1) Avoid direct blow from an air conditioner or an electric fan, and adjust the unit at normal room temperature 15° C $\sim 30^{\circ}$ C. (59°F $\sim 86^{\circ}$ F).

(2) Presetting

• POWER (Power source switch)

MODE (Mode buttton)

• FUNCTION (Function button)

VOLUME (Volume control)

BASS, TREBLE (Tone control)

• SPEAKERS (Speaker terminal)

 \rightarrow OFF

→ BY PASS

 \rightarrow CD

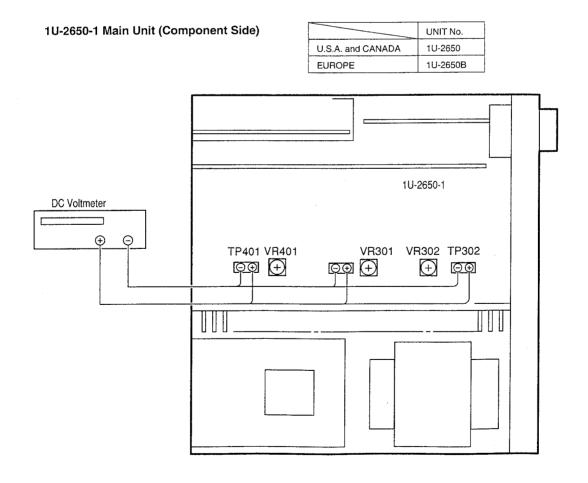
→ 0: fully counterclockwise (min.)

→ 0: (Controls to center)

→ No load (Do not connect speaker, dummy resistor, etc.)

Adjustment

- (1) Remove top cover and set VR401, VR301 and VR302 of 1U-2650-1 or 1U-2650B-1 (Main Unit) at counterclockwise fully.
- (2) Connect DC Voltmeter to test points (Lch T.P.302, Rch T.P.301, CENTER ch T.P.401).
- (3) Connect power cord to AC Line, and turn power switch "ON".
- (4) Allow 15 minutes, and turn VR301, VR302 and VR401 clockwise (\bigcirc) and adjust the TEST POINTS voltage to 1.5 mV \pm 0.5 mV DC.
- (5) After 2 minutes from preset, turn VR301, VR302 and VR401 to set the voltage to 3 mV \pm 0.5mV DC.



SEMICONDUCTORS

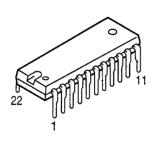
IC's

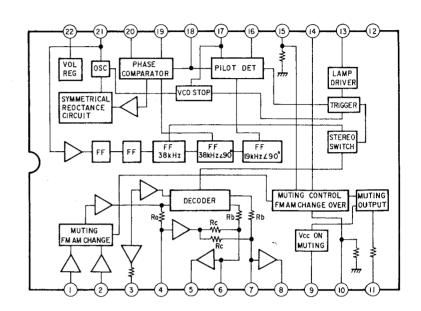
Note)

Indications before IC numbers denote P.W.B. Name.

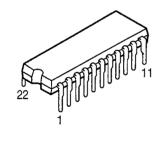
MA: Main Amp P.W.B. Unit RE: Rear Amp P.W.B. Unit SU: Surround P.W.B. Unit

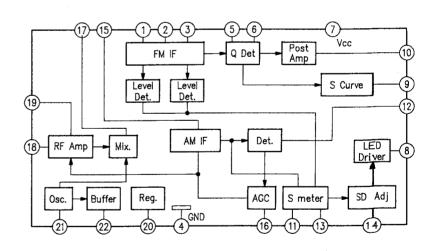
LA3401 (SU: IC002)





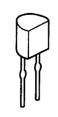
LA1265 (S) (SU: IC001)



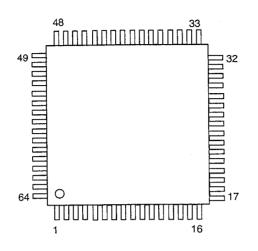


• IC PROTECTORS

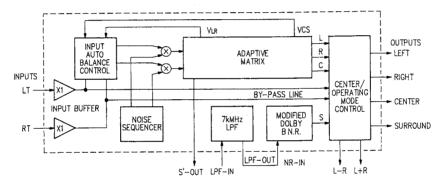




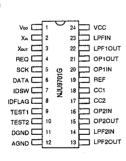
ICP-N15 (RE: IC552) ICP-N20 (RE: IC505, 506) NJM2177AF (SU: IC201)

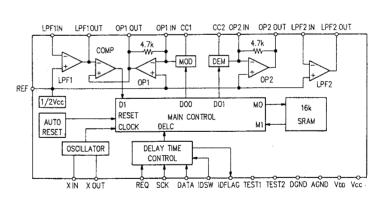


Pin No.	Pin Name	Pin No.	Pin Name	Pin No.	Pin Name
1	NC	23	NOISE-HPF	45	LPF-INV-IN
2	L-RECT-IC	24	NOISE-LPF	46	LPF-NINV-IN
3	R-BPF-OUT	25	S-OUT	47	NR-TC
4	R-BPF-IN	26	CENTER-CNT	48	NC
5	R-RECT-TC	27	MODE-CNT	49	NC
6	GND	28	L-OUT	50	VLR-TC3
7	AB-GATE	29	R-OUT	51	VCS-TC3
8	AB-HOLD-TC	30	L+R-OUT	52	VCS-TC2
9	L-AB-IN	31	L-R-OUT	53	VCS-TC1
10	L-AB-OUT	32	NC	54	VLR-TC1
11	L-IN	33	NC	55	VLR-TC2
12	L-INBUF-OUT	34	CENTER-MODE	56	S-RECT-OUT
-13	R-INBUF-OUT	35	Vcc	57	C-RECT-OUT
14	R-IN	36	C-OUT	58	R-RECT-OUT
15	R-AB-OUT	37	S'-OUT	59	L-RECT-OUT
16	NC	38	IREF	60	S-RECT-TC
17	NC	39	NR-VCF	61	C-RECT-TC
18	R-AB-IN	40	NR-IN	62	L-BPF-OUT
19	NOISE-CNT-E	41	VREF	63	L-BPF-IN
20	NOISE-CNT-A	42	VREF	64	NC
21	NOISE-CNT-B	43	NR-WT		
22	NOISE-REF	44	LPF-OUT		

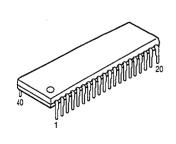


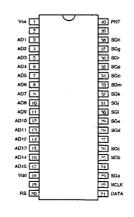
NJU9701G (SU: IC202)



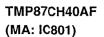


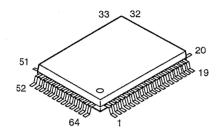
MSC1937-01 (RE: IC702)

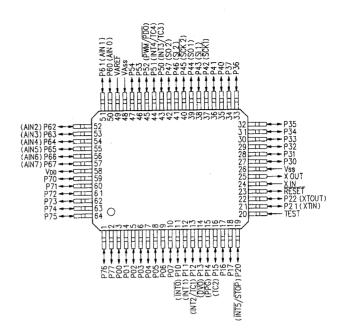




Pin No.	Terminal Function
1	Power Supply (+5V)
3	Digit 1 Output
ł	t
17	Digit 17 Output
18	GND
19	
20	POWER-ON-RESET
21	Data Input
22	Shift Clock Input
23	Segment a Output
ì	1
38	Segment h Output
39	
40	POINT Output





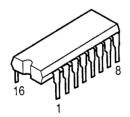


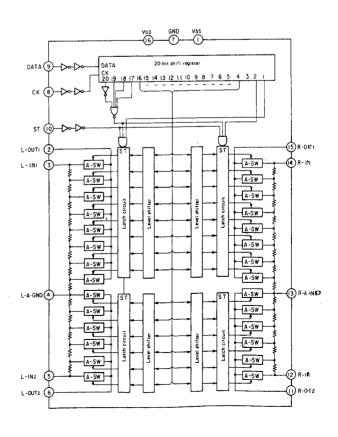
TMP87CH40AF Terminal Function

Pin No.	SYMBOL	Name	1/0	Det	Res	Ext	Ini	Function	
1	P76	ST/MONO	0	-	Z	-	Н	STEREO/MONO control signal ("L" at STEREO mode)	
2	P77	No connection	1	-	Z	GND	·_	No connection	
3	P00	Video Control A	0	-	Z		Н	Video input/output control ("L" at selection)	
4	P01	Video Control B	0	-	z	_	Н	Video input/output control ("L" at selection)	
5	P02	No connection	1	_	Z	GND	_	No connection	
6	P03	No connection	ı	-	Z ·	GND	-	No connection	
7	P04	СК	0	-	Z	-	Н	Serial delay time control output (NJU9701)	
8	P05	REQ	0	-	Z	-	Н	Delay time control output	
9	P06	DATA	0	-	Z	-	L	Serial delay time control output	
10	P07	SURR.	0	-	Z	_	н	Rear signal control	
11	P10/INTO	Stop Power	I	Lv	Z	Pu	_	Stop power detect ("L"at stop power)	
12	P11/INT1	PROTECTION	I	E&L	Z	Pu	-	Protective input ("H" at protection)	
13	P12/INT2	L+R	0	-	Z	-	Н	Rear signal control	
14	P13/DV0	L-R	0	-	Z	-	Н	Rear signal control	
15	P14/PPG	CNT-E	0	-	Z	_	Н	Test tone control	
16	P15/TC2	CNT-A	0	-	Z	_	L	Test tone control	
17	P16	CNT-B	0	-	Z	_	L	Test tone control	
18	P17	NORMAL	0	-	Z	-	L	Center mode control	
19	P20/INT5	WIDE	0	_	Z	Pu	Н	Center mode control	
20	TEST		1	-	_	-	_	Connect to GND	
21	P21/XT1	BYPASS	0	_	Z	Pu	L	PRO LOGIC Change signal	
22	P22/XT0	PRO LOGIC	0	_	z	_	Н	PRO LOGIC Change signal	
23	RESET		i	-	-	_	-	Reset input	
24	XIN		~	-		-	_	Oscillate circuit (4MHz)	
25	XOUT		_	-	_	_	_	Oscillate circuit (4MHz)	
26	Vss	GND	_	-	-	_	_		
27	P30	SP-FRONT	0	· <u>-</u>	Z	Pu	Н	Speaker relay control output	
28	P31	SP-REAR	0	-	Z	Pu	L	Speaker relay control output	
29	P32	SP-CENTER	0	-	Z	Pu	L	Speaker relay control output	
30	P33	H/P	0	-	Z	Pu	Н	Headphone relay control output	
31	P34	POWER	0	_	Z	Pu	L	Power relay control output ("L" at ON)	
32	P35	STANDBY-LED	0	-	Z	Pu	L	LED drive output for STANDBY indication ("L" at display lights	
33	P36	BYPASS	0	-	Z	Pu	L	PRO LOGIC change signal	
34	P37	No connection	I	_	Z	GND		No connection	
35	P40	VOL. UP	0	_	Z	Pu	L	Electrical volume control output (LB1639)	

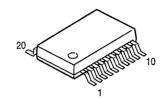
Pin No.	Symbol	Name	1/0	Det	Res	Ext	lni	Function	
36	P41	VOL. DOWN	0	-	Z	Pu	L	Electrical volume control output (LB1639)	
37	P42/SCK1	СК	0	_	Z	Pu	L	Serial electrical volume control output (TC9176)	
38	P43/SI1	ST	0	-	Z	Pu	L	Electrical volume control output	
39	P44/SO1	DATA	0	-	Z	Pu	Н	Serial electrical volume control output	
40	P45/SCK2	FL-CK	0	_	Z	Pu	Н	Serial Liquid Crystal Display control output (MSC1937)	
41	P46/SI2	FL-RS	0	-	Z	Pu	L	Liquid Crystal Display control output	
42	P47/SO2	FL-DATA	0	_	Z	Pu	Н	Serial Liquid Crystal Display control output.	
43	P50/INT3	REMOTE	ı	E&L	Z	Pu	-	Remote control signal input	
44	P51/INT4	СК	0	-	Z	Pu	L	Serial surround control signal output (LC7822)	
45	P52/PWM	CE	0	-	Z	Pu	L	Surround control output	
46	P53	DATA	0	-	Z	Pu	L	Serial surround control output	
47	P54	No connection	1	_	Z	GND	-	No connection	
48	VASS	GND	_	_	-	_		Analog reference GND for A/D conversion	
49	VAREF	+5V	_	_	-	-	-	Analog reference voltage for A/D conversion. Connect to 5V	
50	P60/AIN0	KEY1	ı	Lv	Z	Pu	-	Button input	
51	P61/AIN1	KEY2	ı	Lv.	Z	Pu .	-	Button input	
52	P62/AIN2	KEY3	1	Lv	Z	Pu	-	Button input	
53	P63/AIN3	MODE	ı	Lv	Z	Pu	-	AVC/AVR change signal	
54	P64/AIN4	No connection	ı		Z	GND	-	No connection	
55	P65/AIN5	No connection	1	_	Z	GND		No connection	
56	P66/AIN6	No connection	ı		Z	GND	-	No connection	
57	P67/AIN7	No connection	ı	-	Z	GND	-	No connection	
58	VDD	+5V	_	-	_	-	_	Connect to 5V	
59	P70	СК	0	-	Z		L	Serial control output (LM7001)	
60	P71	DATA	0	-	Z	_	L	Serial control output (LM7001)	
61	P72	ST	0		Z	-	L	latch control	
62	P73	TUNER MUTE	0	-	Z	_	Н	Mute output ("H" at muting)	
63	P74	TUNED SIGNAL	ı	Lv	Z	Pu	_	Synchronous detect ("L" at synchronous)	
64	P75	STEREO SIGNAL	I	Lv	Z	Pu	_	"L" at stereo receive mode	

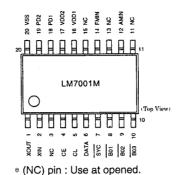
TC9176P (SU: IC262)

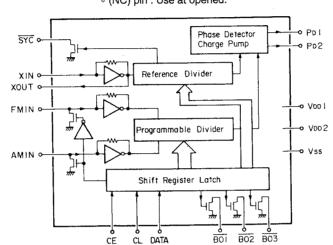




LM7001M (SU: IC003)







Terminal Description

SYC

: Clock for controller (400 kHz)

XIN, XOUT

: X'tal OSC (7.2MHz)

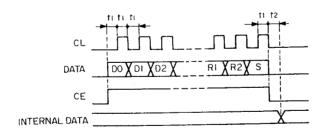
FMIN, AMIN : Station oscillation signal input.

V_{DD}1, V_{DD}2, V_{SS}: Power supply. (V_{DD}2 is for back-up)

P_D1, P_D2

: Charge pump output.

Data input



 $t1 > 1.5 \mu s$ (X'tal at 7.2MHz) $t2 < 1.5 \mu s$

	Input fr																					
D0 D1	D2 D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13	ТО	T1	В0	В1	B2	TB	R0	R1	R2	S	

(1) D0 (LSB)~D13 (MSB) :Frequency dividend data For FMIN, use D0~D13; for AMIN, use D4~D13.

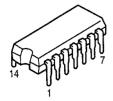
i iaiii	v, us	000	. تا - ر	ιο, ιο	, ,	,							
D0	D1	D2	D3	D4	D5	D6	D7	D8	D9	D10	D11	D12	D13
1	0	1	0	0	0	0	0	0	1	0	1	1	1
LSB											,		MSB
×	×	×	×	0	0	0	0	0	1	0	1		1
				LSB									MSB

→ FMIN Frequency dividend number = 14853

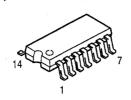
→ AMIN Frequency dividend number = 928

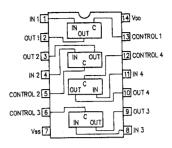
(2) T0, T1: For test of LSI(0,0)



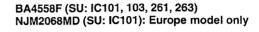


BU4066BCF (SU: IC203, 205)

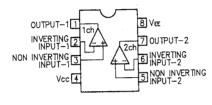




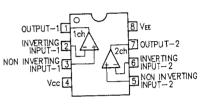
BA4558 (MA: IC451)





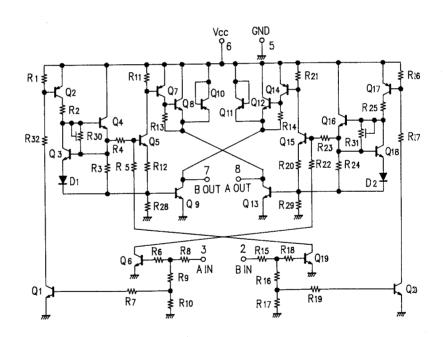




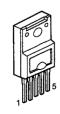


BA6208F (SU: IC264)

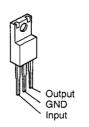




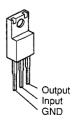
SI-18752 (RE: IC501, 502)



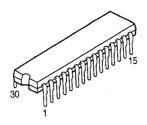
1. +IN 2. -IN 3. -VEE 4. Output 5. +Vcc NJM7806FA(S) (RE: IC551) NJM7812FA(S) (RE: IC503)

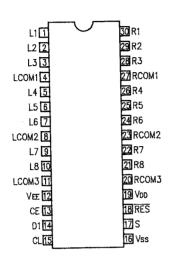


NJM7912FA (RE: IC504)



LC7822 (SU: IC102)





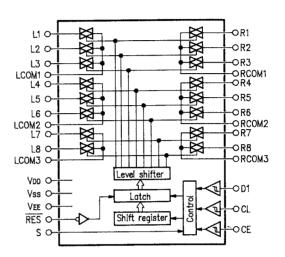
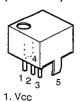


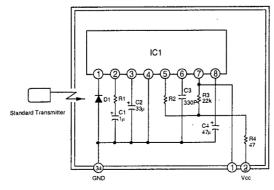
Table of LC7822 Terminal Function

Name of Terminal	1/0	Equivalent Internal Circuit	Function of Terminal								
VDD, VSS, VEE			Power terminal.								
L1 ~ L8, R1 ~ R8 LCOM1 ~ LCOM4, BCOM1 ~ BCOM4		Refer to block diagram	In/Out terminal of analog	In/Out terminal of analog switch.							
CL, DI, CE	1		Serial data input terminal (Schmidt buffer). CL = Clock input terminal. DI = Data input terminal. CE = Chip enable terminal.								
			Selection terminal for using of two. Address will be shifted as per below table when switching S terminal to L or H. Address								
S	ı		Name of Item	S Terminal	A0	A1	A2	A3			
			1.07000	L	0	1	0	1			
			LC7822	Н	1	1	0	1			
RES			Reset terminal. Condition of analog switch is not fixed at the time of turning on the power. When shift this termnal to L, all analog switches become OFF.								

SBX1610-52 (Remote Control Receiver) (RE: IC701)



- 2. Output
- 3. GND
- 4. Case fin
- 5. Case fin



IC1 : CX20106A chip D1 : Pin photodiode chip

C1, C2, C4 : Aluminum electrolytic capacitor

СЗ : SL characteristic ±5% R1 : Gain control resistor

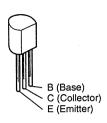
: fo control resistor (using ± 1%)

R (Other than above items)

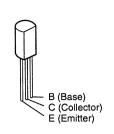
: ± 5%

• TRANSISTORS

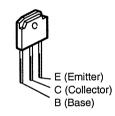
2SA970 (BL) 2SA988 (E/F) 2SC1015 (GR) 2SC1815 (Y),(BL) 2SC1841 (E/F) 2SC2878 (A/B)



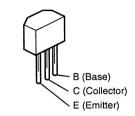




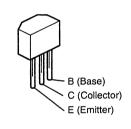
2SA1490 (O/P/Y) (Z) 2SC3854 (O/P/Y) (Z)



2SA933S (R) 2SC1740S (E)

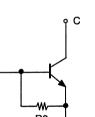


DTA143ES DTC143ES



DTC143ES

NPN Type



PNP Type	, C
R1 B ⊶W	+
	R2 F

DTA143ES

	R1	R2
DTC143ES	4.7 kohm	4.7 kohm

	R1	R2
DTA143ES	4.7 kohm	4.7 kohm

PNP Type

2SK209 (Y/GR)

3: Gate

2SK211 (Y/GR)

2SC2412K (S) 2SC2712 (Y/GR) 2SC2996 (Y)

DTC144EK DTC144TK DTC323TK

RN2402 DTA114TK DTA144EK

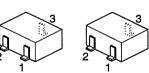
DTC144EK DTC144TK DTC323TK

NPN Type

RN2402 DTA144EK

DTA114TK

R2



1 : Gate

2 : Drain

3 : Source

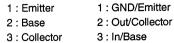


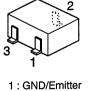












		R1	R2
	DTC144EK	47 kohm	47 kohm
	DTC144TK	47 kohm	_
ı	DTC323TK	2.2 kohm	_

R1 B ⊶	°
В 0	W R2 E

	R1	R2
RN2402	47 kohm	47 kohm
DTA144EK	47 kohm	47 kohm
DTA114TK	10 kohm	

• DIODES (included LED)

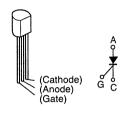
1SS252 1S2471

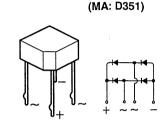




1SR35-200A

SF0R1A42 (Thyristor)





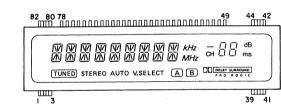
S4VB20F (RE: D502)

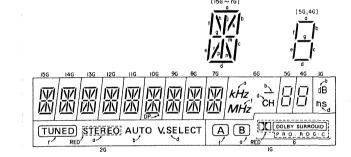
SEL1210S (Red) (RE: LD701)

Short (Cathode) Long (Anode)

• FL DISPLAY FIP14PM8

(Part No.: 3934131000)(FL701)





11	21	31	41	51
12	22	32	42	52
13	23	33	43	53
14	24	34	44	54
15	25	35	45	55
16	26	36	46	56
17	27	37	47	57

 5×7 Dot inner connections

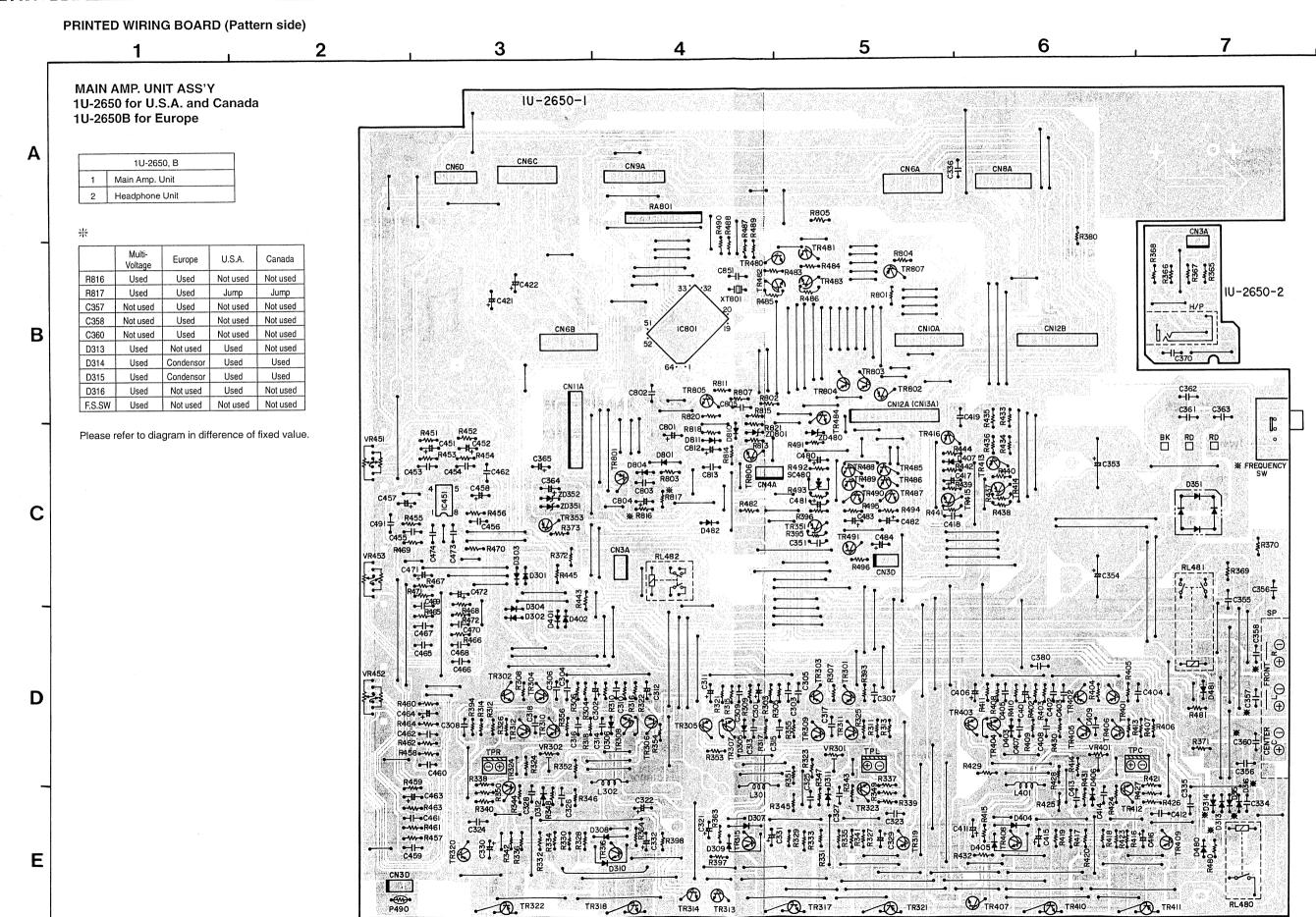
(OFFER)																				
TERMINAL No. ELECTRODE	82 F1	81 F1	80 F1	79 NP	78 P DP	77 P h	76 P g	75 P r	74 P p	73 P n	72 P m									
TERMINAL No. ELECTRODE	71 P k	70 P i	69 P f	68 P e	67 P d	66 P c	65 P b	64 P a	63 15G	62 14G	61 13G	60 12G	59 11G	58 10G	57 9G	56 8G	55 7G	54 6G	53 5G	52 4G
TERMINAL No. ELECTRODE				-							51 3G	50 2G	49 1G	48 NP	47 NP	46 NP	45 NP	44 F2	43 F2	4-2 F-2

/I OWED

(LOWEN)																				
TERMINAL No. ELECTRODE									(27)	(37)	32 NP (47)	33 NP (57)	34 NP	35 NP	36 NP	37 NP	38 NP	39 F2	40 F2	4-1 F2
TERMINAL No. ELECTRODE	12 NP	13 NP	14 NP	15 NP	16 NP	17 NP	18 NP	19 NP	20 NP	21 NP	22 NP	23 NP	24 NP	25 NP	26 NP	27 NP	28 NP	29 NP	30 NP	31 NP
TERMINAL No. ELECTRODE	1 F1	2 F1	3 F1	4 NP	5 NP	6 NP	7 NP	8 NP	9 NP	10 NP	11 NP	12								

Notes: F: Filament

G: Grid P: Anode

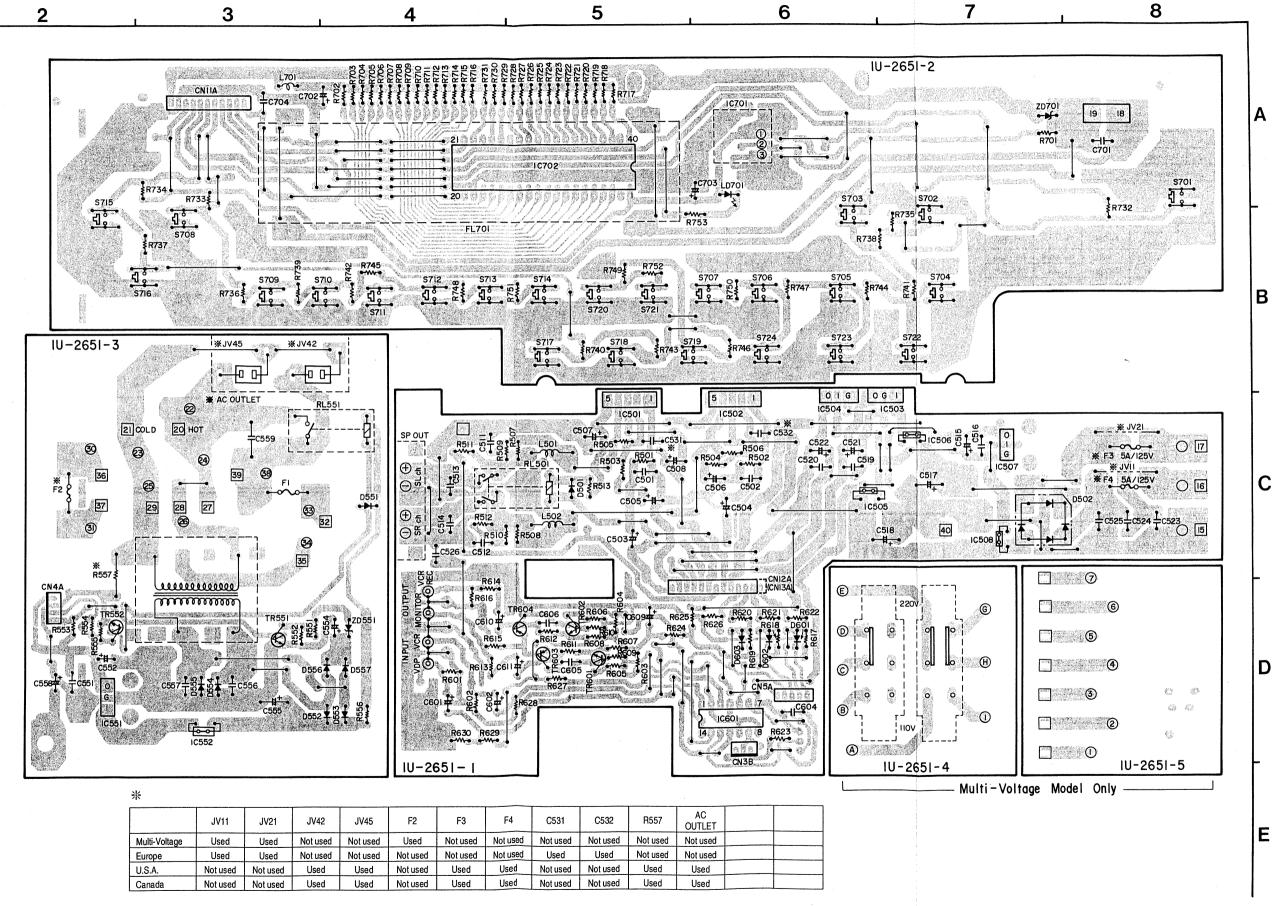


8

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REAR AMP. UNIT ASS'Y 1U-2651 for U.S.A. and Canada 1U-2651B for Europe

	1U-2651, B							
1	Rear Amp. Unit							
2	VFD Unit							
3	Power Supply Unit							



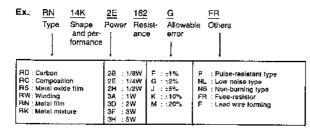
	1 , 2	3	4	, 5 ,	6	7	8
A	SURROUND UNIT ASS'Y 1U-2652 for U.S.A. and Canada 1U-2652B for Europe 1U-2652, B 1 Surround Unit 2 Volume Unit	* LFIOL CI33 • (D@ 3) CI03 • (C109	C235 C233 C2	C222 + R - C222 + R - C221 + R - C222 + R - C221 + R - C221 + C221 + C221 + C221	1U-2652-1	1
В	3 Tuner Unit		Company Comp	C2001 C2004 C2004 C2004 C2005 C2008	IC201 32 TR205	C218 L201	256
	C23 Used Not used Used Used C26 Not used Used Not used Not used C121 Not used Used Not used Not used C122 Not used Used Not used Not used C123 Not used Used Not used Not used C124 Not used Used Not used Not used C125 Not used Used Not used Not used C125 Not used Used Not used Not used	8 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	LE REGIONO GIND PHONO GIND PHONO GIND PHONO GIND CONTENT OF THE CO	D204- C155 R252 V V V V V V V V V V V V V V V V V V V	14 C244 D205 D203		G P P G G P G G G G G G G G G G G G G G
	C126 Not used Used Not used Not used C127 Not used Used Not used Not used C128 Not used Used Not used Not used C147 Not used Used Not used Not used C148 Not used Used Not used Not used C281 Not used Used Not used Not used C282 Not used Used Not used Not used R2 Not used Used Not used Not used R4 Not used Used Not used Not used R5 Not used Used Not used Not used R6 Not used Used Not used Not used	CN9A ON O O O O O O O O O O O O O O O O O O		CNGA	CNBA TR3 TR4 ED O O C28 TH TRIO TRIO TRIO TRIO TRIO TRIO TRIO TRI	R98 CII CI3 X CII	
D	R6 Not used Used Not used Used Used R50 Used Not used Used Used Used R71 Not used Used Not used Not used R72 Used Not used Used Used R80 Used Not used Used Used R81 Not used Used Not used Not used R82 Used Not used Used Used R93 Not used Used Not used Not used LF1 Not used Used Not used Not used LF2 Not used Used Not used Not used LF3 Not used Used Not used Not used LF3 Not used Used Not used Not used	C264 C268 C262 C264 C268 C262 C265 C265 C267 C261 C262 C263 C267 C261 C262 C263 C267 C261 C262 C263 C267 C261 C263 C267 C267 C263 C267	C278 C275 VR261 C244 = R37 C244 = R37 C244 = R37 C244 = R37	R40 C46 R97 R39 C21 R25 C31 R27	R90 13 22 R92 22	RING W W W W W W W W W	
E	LF101 Not used Used Not used Not used LF102 Not used Used Not used Not used Please refer to diagram in difference of fixed value.	C276 C264 5 8 R277/R279/R279 D261	Cch Cch RSG LC RSG CZ7	CIB C45	CF2 RIO BU CF1 IF	AT.I SECTION ANT. OSC BLI	

NOTE FOR PARTS LIST

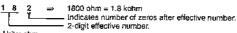
- Part indicated with the mark * " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "!" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.) WARNING:

Parts marked with this symbol 🛕 🜇 have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.

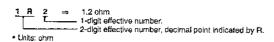
Resistors



* Resistance



- Units: ohm

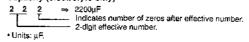


4.4 (1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4 · 1.4

Capacitors

Ex.: CE 04W Type Shape and per formane	1H Dielectric strength		lowable Others
GE : Aluminum foll electrolytic	0J : 6.3V	F : +1%	HS : High stability type
CA : Aluminum solid electrolytic	1A : 10V	G : ±2%	BP : Non-polar type
CS : Tantalum electrolytic	10 : 16V	J:±5%	HR : Ripple-resistant type
CQ ; Film	1E :25V	K : ±10%	DL : For charge and discharge
CK : Ceramic	1V : 35V	M ; ±20%	HF : For assuring high frequency
CC : Ceramic	1H : 50V	Z :+80%	U : UL peri
CP : Qil	2A : 100V	-20%	C : CSA part
CM : Mice	2B : 125V	P :+100%	W : UL-CSA type
GF : Metallized	2C : 160V	-0%	F : Lead wire forming
GH : Metallized	2D : 200V	C: ±0.25pF	
	2E : 250V	D : +0.5pF	
	2H : 500V	- : Others	
	2.J : 630V	l	

* Capacity (electrolyte only)



* Capacity (except electrolyte)

 When the dielectric strength is indicated in AC, "AC" is included after the dieelectric strength value.

P.W.B. ASS'Y PARTS LIST 1U-2650 MAIN UNIT ASS'Y (U.S.A. and Canada models)

Content Cont	art No.	. Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
C451 285 0322 004 C BAMSS	UCTOR	RS			and the second second second		RD14B2E100JNBS
TR301-394 271 004 197 Transpiror 28A370(E) Transpiror 28A370(E				⚠ R406,407		Carbon Film 2.2kohm 1/4W(NB)	RD14B2E222JNBS
TR301-304 271 0034 919 Transistor 28A371(BL) T		1		⚠ R409	241 2377 976		
TR391-346 277 0-034 Psi Transistor 28-349/UF Transistor 28-3	52 1876 U	006 IC IMP87CH40F-4066	1-0011	A R413	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		RD14B2E680GFRS
TR809-3st 27 0025 926 TR801-3st 27 0015 926 Transactor 28.0184 (IDF) Transactor 28.0184 (I		040 Turnishan 004070(D)				[10] W. C. W. W. H. M.	RD14B2E221JNBS
TR903-314 27 0255 923 Tarlester 250 FATC) Tarlester 250 FA						Libraria e española de la casa de la compansión de la compansión de la compansión de la compansión de la compa	RS14B3AR22JNBS(S)
Trastal 5,416 27,973 198,000 Transitor 28CH 618/V) Transitor 28CH 618/V) Transitor 28DH 674(C) Transitor 28DH 6				A R423,424			RD14B2E202JNBS
TRASIS 316 24 0806 900 Transistor 250647A(C) T				⊼ (R425)		 A service of the control of the contro	RS14B3A4F7JNBS(S)
TR-93-920 272 0059-906 Transistor 258647A(C) Transistor 256467A(C) Transistor 256467A(C) Transistor 256466(C) Transistor 25646(C) Transis		1		/A. R430		Carbon Film 1800hm 1/4W(NB)	RD14B2E131JNBS
TRASS 27 0 (262 962 92) Transistor 25 (144 LEF) TRASS 27 0 (151 96) Transistor 25 (164 LEF) TRASS 27 0 (151 96) Transistor 25 (164 LEF) Transis				A R433-436	244 2043 982		RS14B3AR22JNBS(S)
TR851			l	<u> </u>		1 * * * * * * * * * * * * * * * * * * *	RD14B2E010JNBS
TR953				⚠ R482	244 2051 974		RS14B3A102JNBS(S)
TAHA14				№ R491	244 2050 988		RS14B3A202JNBS(S)
FA401 At 22 71 or 15 22				↑ R803	241 2387 940	Carbon Film 4.7ohm 1/4W(NB)	RD14B2E4R7JNBS
TR404 - 406							1
TR407				VR301,302	211 6047 023	Semi Fixed Resistor 4.7kohm	V06PB472
TR409		·=·		VR401	211 6047 023	Semi Fixed Resistor 4.7kohm	V06PB472
TR499		· · · · · · · · · · · · · · · · · · ·		VR451	211 0798 103	Variable Resister 100kohm	Balance
TR412		1		VR452	211 0797 117	Variable Resister 30kohm	Bass
TR412				L	211 0797 104	Variable Resister 5kohm	Treole
TR415		, , ,		1			
TR415		1		RA801	246 2067 003	Resister Array 4.7kohmx11	RK99==472JP1
TR480		·		1 .			ĺ
TR486	71 0131 9					<u> </u>	
TR487 273 0388 906 Transistor 2SC1740S(E) Tra	73 0388 9			CAPACIT	ORS GROU		
TR487 273 0388 906 Transistor 28C17405(E) TR3890 271 0132 905 Transistor 28C17405(E) TR3890 273 0388 906 Transistor 28C17405(E) Built in Resistor 28C17405(E) Built in Resistor 28C17405(E) Built in Resistor 28C17405(E) Built in Resistor 28C17405(E) C311.312 254 4256 952 Electrolytic 22OµF/500V C0 C313.316 275 425 425 952 Electrolytic 34PF/500V C0 C313.316 275 425 951 904 Electrolytic 34PF/500V C0 C313.316 275 425 951 904 Electrolytic 34PF/500V C0 C325.326 285 1148 908 Electrolytic 14PF/50V C0 C325.326 285 1148 908 Electrolytic 14PF/50V C0 C325.326 285 1148 907 Electrolytic 14PF/50V C0 C325.326 285 1148 907 Electrolytic 14PF/50V C0 C325.326 285 1148 907 Electrolytic 34PF/50V C0 C325.326 285 1148 907 Electrolyti				C301.302	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
TR499	73 0388 9						CK45B1H101K
TR490						· ·	CK45B1H221K
TR801 -803 269 0022 904 Transistor DTCI 43ES Transistor DTCI 43ES Transistor DTCI 43ES Built in Resistor 2517405(E) C313 -316 254 4258 93 C313 -316 C313 -31				11	1	Plastic Film 0.0033uF/50V	CQ93M1H332J(B)
TR805	269 0022 !	1	Built in Resistor	I I		Ceramic 16pF/50V	CC45SL1H16GJ
TR806	273 0388 !	906 Transistor 2SC1740S(E)					CE04W1E221M
TR807	269 0018 !	905 Transistor DTC143ES		11			CO93M1H102J(B)
D301-306 276 0616 907 Diode 1SS252 Diode 1SS252 Diode 1SS252 Diode 1SS252 Diode 1SS252 Diode 1SS253 Diode 1SS254 Diode 1SS255 Diode 1S	269 0022 :	904 Transistor DTA143ES	Built in Resistor	I I	i	· ·	CC45SL2H18CJ
D301 - 306						1	CE04W1H010M
D307-310 Z76 0619 904 Diode 1S2471 Z76 0616 907 Diode 1S25252 Z65 336 276 0616 907 D404-403 Z76 0616 907 Diode 1S25252 D404-405 Z76 0616 907 Diode 1S25252 D404-405 Z76 0616 907 Diode 1S25252 D3404-405 Z76 0616 907 Diode 1S25252 D3404-405 Z76 0616 907 Diode 1S25252 D3404-492 Z76 0466 907 D3404-492 Z76 0466 907 Z	276 0616	907 Diode 1SS252				1 '	CK45B2H221K
D311-316 276 6616 907 Diode 1SS252	276 0619	904 Diode 1S2471					CF93A1H104J
Display	276 0616	907 Diode 1SS252		1 2		'	CQ93M1H103.(B)
D401-403 276 0616 907 Diode 1SS252 Diode 1	276 0305	001 Digge 84VB2D	Bridge				CE04W1J4R7M
D404.405 276 0619 904 Diode 1\$S252 Diode 1	276 0616						CK45F1H103Z
D406.407 276 0616 907 Diode 1SS252 Diode 1	276 0619	904 Diode 1S2471		11 '		,	CQ93M1H103.(B)
D480-482 276 0616 907 Diode 1SS252 Diode 1S	276 0616	907 Diode t\$S252		1 1			CE04W==562MC(DL)
D801 276 0619 904 Diode 1S2471 D804 276 0616 907 Diode 1S3252 D810.811 276 0616 907 Diode 1S3252 Diode 1JF/50V Diode 1S3252 Diode 1JF/50V Diode 1S3252 Diode 1JF/50V Diode 1S3252 Diode 1JF/50V Diode 1J	276 0616	907 Diode 1SS252		11			CF93A1H104J
D804 276 0616 907 Diode 1SS252 Diode 1SS25	276 0619	904 Diode 1S2471		11		•	CF93A1H104J
D810,811 276 0816 907 Diode 1SS252 C364,365 254 4260 948 Electrolytic 1μF/50V C1	276 0616	907 Diode 1SS252		11	!		: CF93A2E104K
ZD351,352 276 0473 904 Zener Diode HZS12A-1 12V ZD480 276 0466 908 Zener Diode HZS3C-1 7V Zener Diode HZS3C-1 3V C402 253 1181 904 Ceramic 0.01μF/50V Cid 254 4254 909 Electrolytic 10μF/16V Cid 254 4254 909 Ceramic 220pF/50V Cid 253 1179 903 Ceramic 220pF/50V Cid 253 1179 905 Ceramic 220pF/50V Cid 254 1266 905 Ceramic 16pF/50V Cid 254 1266 905 Ceramic 16pF/50V Cid 254 1266 905 Ceramic 18pF/50V Cid 254 1267 905 Ceramic 18pF/50V Cid 254 1267 905 Ceramic 220pF/500V Cid 254 1267 905 Ceramic 220pF/50V Cid 254 1267 905 Ceramic 16pF/50V Cid 254	276 0616	907 Diode 1SS252		11	1	· ·	CE04W1H010'I
Zener Diode HZS12A-1 Zener Diode HZS12A-1 Zener Diode HZS12A-1 Zener Diode HZS12A-1 Zener Diode HZS2C-1 Zener Diode HZS3C-1 Zener Diode HZS				11	:		CK45=1H473Z
Zone Zone Zone Zone Zone Diode HZS7C-1 Zone Diode HZS7C-1 Zone Diode HZS3C-1 Zone HZS3C-1 Zone Diode HZS3C-1 Zone HZS3C-1 Zone HZS3C-1 Zone HZS3C-1 Zone Diode HZS3C-1 Zone HZS	276 0473	904 Zener Diode HZS12A-1	12V	1 2			CK45F1H103Z
Zone		1	7V	r i	1	,	CE04W1C100'l
SC480 279 0016 904 Thyrister SF0R1A42 C410 279 179 905 C406 C405 253 1264 908 C410 279 179 179 179 179 179 179 179 179 179 1			3 V	1 I	1		CK45B1H101K
SC480 279 0016 904 Thyrister SF0R1A42 C404 255 1264 966 C405 253 4536 954 C406 C405 253 4536 954 C406 C406 C407,408				11	1		CK45B1H221K
RESISTORS GROUP (Not included Carbon Film ±5% 1/4 W Type. C405 253 4536 954 Ceramic 16pF/50V C406 254 4256 952 Electrolytic 220μF/25V C407,408 255 1264 908 Electrolytic 220μF/25V C407,408 255 1264 908 Ceramic 18pF/50V C407,408 255 1264 908 Ceramic 18pF/50V C407,408 255 1264 908 Ceramic 18pF/50V C407,408 C407	279 0016	904 Thyrister SF0R1A42		11		1 .	CQ93M1H332.(B)
RESISTORS GROUP (Not included Carbon Film ±5% 1/4 W Type. C406 254 4256 952 Electrolytic 220μF/25V C407,408 255 1264 908 Plastic Film 0.001μF/50V C409 253 4476 904 Carbon Film 2.2kohm 1/4W(NB) RD14B2E222JNBS C411 254 4260 948 Electrolytic 1μF/50V C411 254 4260 948 Electrolytic 1μF/50V C411 254 4260 948 Electrolytic 1μF/50V C412 253 1128 909 Carbon Film 1300hm 1/4W(NB) RD14B2E131JNBS C412 253 1128 909 Carbon Film 2200hm 1/4W(NB) RD14B2E231JNBS C413 256 1034 979 Metallized 0.1μF/50V C646 C415 C416				11	1	· ·	CC45SL1H16W
Refer to the Schematic Diagram for those Parts. C407,408 255 1264 908 Plastic Film 0.001μF/50V C409 253 4476 904 Ceramic 18pF/500V C410 254 4260 948 Electrolytic 1μF/50V C411 254 4260 948 Electrolytic 1μF/50V C412 253 1128 909 C413 256 1034 979 Metallized 0.1μF/50V C413 256 1034 979 Metallized 0.1μF/50V C414 255 1265 936 Plastic Film 0.01μF/50V C415 436 244 2043 982 Metal Oxide 0.220nm 1W(NB) R51483AR22JNBS(S) C415 416 254 4262 904 Electrolytic 4.7μF/63V C417 254 4258 918 Electrolytic 10μF/35V C418 439 255 1265 936 Plastic Film 0.01μF/50V C418 439 255 1265 936 Plastic Film			150/ 4/4 W T	11			CE04W1E221N
C409 253 4476 904 Ceramic 18pF/500V C409 C411 C412 C412 C412 C412 C412 C413				11	1		CQ93M1H102(B)
Λ R311-314 241 2380 963 Carbon Film 2.2kohm 1/4W(NB) RD14B2E222JNBS C411 254 4260 948 Eiectrolytic 1μF/50V CI Λ R317.318 241 2315 967 Fusible 68ohm 1/4W(NB) RD14B2E331JNBS C412 253 1128 909 Ceramic 220pF/500V CI Λ R325.326 241 2315 967 Fusible 68ohm 1/4W(NB) RD14B2E321JNBS C413 256 1034 979 Metallzed 0.1μF/50V CI Λ R329.336 241 2376 920 Carbon Film 220ohm 1/4W(NB) RD14B2E221JNBS C414 255 1265 936 Plastic Film 0.01μF/50V CI Λ R341-844 241 2380 950 Carbon Film 2kohm 1/4W(NB) RD14B2E202JNBS C417 254 4262 904 Electrolytic 10μF/50V CI Λ R345.346 244 2051 987 Metal Oxide 4.7ohm 1W(NB) RS14B3A4R7JNBS(S) C418,419 255 1265 936 Plastic Film 0.01μF/50V C0	e Schei	ematic Diagram for those Part	s.)		1	i .	
A R317,318 241 2377 976 Carbon Film 1300hm 1/4W(NB) RD14B2E131JNBS C412 253 1128 909 Ceramic 220pF/500V CI A R325,326 241 2315 967 Fusible 680hm 1/4W(NB) RD14B2E680GFRS C413 256 1034 979 Metallized 0.1μF/50V CI A R327,328 241,2376 920 Carbon Film 2200hm 1/4W(NB) RD14B2E221JNBS C414 255 1265 936 Plastic Film 0.01μF/50V CI A R329-336 244 2043 982 Metal Oxide 0.220hm 1W(NB) RS14B3AR22JNBS(S) C415,416 254 4262 904 Electrolytic 47,μF/63V CI A R341-344 241 2380 950 Carbon Film 2kohm 1/4W(NB) RD14B2E202JNBS C417 254 4258 918 Electrolytic 10μF/35V CI A R345,346 244 2051 987 Metal Oxide 4,70im.1W(NB) RS14B3A4R7JNBS(S) C418,419 255 1265 936 Plastic Film 0.01μF/50V C0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			1	y ·	CC45SL2H180J
A R325,326 241 2315 967 Fusible 68oftm 1/4W(NB) RD14B2E680GFRS C413 256 1034 979 Metallized 0.1μF/50V CI A R327,328 241,2376 920 Carbon Film 220ohm 1/4W(NB) RD14B2E221JNBS C414 255 1265 936 Plastic Film 0.01μF/50V C0 A R329-336 244 2043 982 Metal Oxide 0.22ohm 1W(NB) RS14B3AR22JNBS(S) C415,416 254 4262 904 Electrolytic 4.7μF/63V CI A R341-344 241 2380 950 Carbon Film 2kohm 1/4W(NB) RB14B3A4R7JNBS(S) C417 254 4258 918 Electrolytic 10μF/35V CI A R345,346 244 2051 987 Metal Oxide 4.7olim 1W(NB) RS14B3A4R7JNBS(S) C418,419 255 1265 936 Plastic Film 0.01μF/50V C0		1 300 Calbon Fam & ZNORD 144V(ND)	BUJABSE131 INDS	11	1		CE04W1H010%
A R327.328 241.2376 920 Carbon Film 220ohm 1/4W(NB) RD14B2E221JNBS C414 255 1265 936 Plastic Film 0.01μF/50V C0 A R329-336 244 2043 982 Metal Oxide 0.22ohm 1W(NB) RS14B3AR22JNBS(S) C415,416 254 4262 904 Electrolytic 4.7μF/63V CI A R341-344 241 2380 950 Carbon Film 2kohm 1/4W(NB) RD14B2E202JNBS C417 254 4258 918 Electrolytic 10μF/35V CI A R345,346 244 2051 987 Metal Oxide 4.7ohm 1/W(NB) RS14B3A4R7JNBS(S) C418,419 255 1265 936 Plastic Film 0.01μF/50V C0		18/0 Garbon Film (300mm (/44V(ND))			1	1	CK45B2H221K
A R329-336 244 2043 982 Metal Oxide 0.220nm 1W(NB) RS14B3AR22JNBS(S) C415,416 254 4262 904 Electrolytic 4.7μF/63V CI A R341-344 241 2380 950 Carbon Film 2kohm 1/4W(NB) RD14B2E202JNBS C417 254 4258 918 Electrolytic 10μF/35V CI A R345,346 244 2051 987 Metal Oxide 4.7olim 1W(NB) RS14B3A4R7JNBS(S) C418,419 255 1265 936 Plastic Film 0.01μF/50V C0	and the second	99/ Pusible bootim (444/140)	[1] [1] [1] [1] [1] [1] [1] [1] [1] [1]	1 1	1	1 .	CF93A1H104J
A R341-844 241 2380 950 Carbon Film 2kohm 1/4W(NB) RD14B2E202JNBS C417 254 4258 918 Electrolytic 10μF/35V C18, R345,346 244 2051 967 Metal Oxide 4,70 lm .1W(NB) RS14B3A4R7JNBS(S) C418,419 255 1265 936 Plastic Film 0.01μF/50V C0		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	No. 1 April 1985 April	1 1		'	CO93M1H103(B)
A R345,346 244 2051 987 Metal Oxide 4,76hm 1W(NB) RS14B3A4R7JNBS(S) C418,419 255 1265 936 Plastic Film 0.01μF/50V C6	7 13 1			1 F	1		CE04W1J4R7K
	4.7%	the first the second of the se		11	1		CE04W1V100k
			the contract of the contract o	C418,419			CQ93M1H103;□3)
· · · · · · · · · · · · · · · · · · ·				C421,422	254 4254 909		CE04W1C1001
[# 150] [4]			the contract of the contract o	C451,452	254 4254 909	1 '	CE04W1C1001
A R369-371 244 2051 987 Metal Oxide 4.7ohm 1W(NB) RS14B3A4R7JNBS(S)	244 2051	987 Metal Oxide 4.7ohm 1W(NB)	RS14B3A4R7JNBS(S)	C453-456	253 1179 903	Ceramic 100pF/50V	CK45B1H101K
				 	1		

1U-2650B MAIN UNIT ASS'Y (Europe model) [Same as 1U-2650 (for U.S.A. and Canada models) except the followings.]

Ref. No.	Part No.	Part Name	Remarks	
C457,458	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	
C459,460	255 1264 908	Plastic Film 0.001 u F/50V	CQ93M1H102J(B)	
C461,462	256 1034 995	Metalized 0.15uF/50V	CF93A1H154J	
C463,464	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C465,466	255 1264 937	Plastic Film 0.0018µF/50V	CQ93M1H182J(B)	
C467,468	255 1265 949	Plastic Film 0.012µF/50V	CQ93M1H123J(B)	
C469,470	256 1034 953	Metalized 0.068µF/50V	CF93A1H683J	
C469,470 C471,472		'	CE04W1HR47M	
	254 4260 935	Electrolytic 0.47µF/50V BC Ceramic 0.047µF/50V	CK45=1H473Z	
C473	253 9038 907			
C474	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(8)	
C480	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M	
C481	254 4260 993	Electrolytic 22µF/50V	CE04W1H220M	
C482	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	
C801	254 4250 783	Electrolytic 3300µF/6.3V	CE04W0J332MC	
C802,803	253 1181 904	Ceramic 0.01µF/50V	CK45F1H103Z	
C804	254 4250 932	Electrolytic 220µF/6.3V	CE04W0J221M	
C805	256 1034 982	Metalized 0.12µF/50V	CF93A1H124J	
C812	254 4258 905	Electrolytic 4.7µF/35V	CE04W1V4R7M	
C813	255 1265 936	Plastic Film 0.01µF/50V	CQ93M1H103J(B)	
0010	200 1200 300	T Idatio T IIIT 0.0 (pt 100)	C G G G G G G G G G G G G G G G G G G G	
OTHER C	ROUP			Q'ty
	_	(P.W.Board)		1
L301,302	235 0104 007	Inductor 1µH		2
L401	235 0104 007	Inductor 1µH		1
RL480	214 0167 005	Relay(G5Z-2A)		1
FIL481	214 9003 005	Relay		1
				1
RL482	214 0162 000	Relay(A12W-K)		'
XT801	399 0191 903	Ceramic Resonator	CST4.00MGW19MGW	1
	204 8354 004	Headphone Jack		
	205 0846 005	6P Push Terminal	i Front	1
	205 0255 007	Terminal	f	3
	203 0233 007	161111111111111111111111111111111111111		ľ
	415 0309 013	P.V.C. Tube(L=10)		6
T P	205 0190 036	3P NH Conn. Base		3
CN3A	205 0343 032	3P Conn. Base(KR-PH)		2
	1			1
CN4A	205 0343 045	4P Conn. Base(KR-PH)		
CN11A	205 0375 013	11P Conn. Base(KR-PH)		1
CN6A	205 0696 064	JL Connector(BT-E)		1
CN6B	205 0696 064	JL Connector(BT-E)		1
CN6C	205 0696 064	JL Connector(BT-E)		1
CN6D	205 0330 003	6P MQ-ST Conn. Base	:	1
CN8A	205 0330 029	8P MQ-ST Conn. Base	1	1
CN9A	205 0330 045	9P MQ-ST Conn. Base		1
CN10A	205 0330 058	10P MQ-ST Conn. Base		1
	1	· ·		1
CN12A	205 0375 026	12P Conn. Base(KR-PH)		
CN12B	205 0330 016	12P MQ-ST Conn. Base		1
			·	
	<u> </u>			
	;			
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Ref. No.	Part No.	Part Name	Remarks
SEMICON	IDUCTORS		
D313-316	276 0616 907	Diode 1SS252	Delete
CAPACIT	ORS GROU	<u> </u>	
C314	253 1146 907	Ceramic 0.01μF/50V	Add
C316 C357,358	253 1146 907 255 1264 982	Ceramic 0.01µF/50V Plastic Film 0.0047µF/50V	Add Add
C360	255 1264 982	Plastic Film 0.0047μF/50V	Add

1U-2651 REAR AMP. UNIT ASS'Y (U.S.A. and Canada models)

R	ef. No.	Part No.	Part Name	Remarks
,	SEMICON	DUCTORS		
	IC501,502	263 0855 005	IC SI-18752	
	IC503	263 0801 004	IC NJM7812FA(S)	Regulator +12V
	1C504	263 0641 002	IC NJM7912FA	Regulator -12V
	IC505,506	268 0074 904	IC ICP-N20	IC Protector 20V
	IC551	263 0793 002	IC NJM7806FA(S)	Regulator +6V
	IC552	268 0073 905	IC ICP-N15	IC Protector 15V
	IC601	262 1873 009	IC BU4066BC	Remocos Receiver
	IC701	499 0150 008	IC SBX1610-52	u-com
	IC702	262 1564 004	IC MSC1937-01	μ-τοπ
	TR551,552	273 0388 906	Transistor 2SC1740S(E)	
	TR601.602		Transistor 2SC1815(BL)	
	TR603,604	271 0102 924	Transistor 2SA1015(GR)	
	TR605	269 0018 905	Transistor DTC143ES	Built in Resistor
				ļ
	D501	276 0616 907	Diode 1SS252	landa ara ara ara ara ara ara ara ara ara a
Δ		276 0305 001	Diode S4VB20	. Bridge (12 is
	D551	276 0616 907	Diode 1\$\$252	
Ι.	D552~557	276 0553 905	Diode 1SR35-200A	
1	D601~603	276 0616 907	Diode 1S\$252	[
1	ZD551	! 1 276 0465 909	Zener Diode HZS7B-1	₇ v
1	ZD701	276 0467 907	Zener Diode HZS9A-1	Ve
1	LD701	393 9434 906	LED SEL1210\$	Red
l		ļ	<u> </u>	
ĺ	FL701	393 4131 000	FLD Ass'y FIP14PM8	
	RESISTO	RS GROUP	(Not included Carbon Film	n \pm 5% 1/4 W Type.
			ic Diagram for those Part	
				1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1
I A	DEADEIN	244 2061 007	Motel Ovide 4 7nhm 1 W/NRV	BS14B3A4B7 INBS(S)
Å	R509,510	244 2051 987		RS14B3A4R7JNBS(S) RD14B2E010JNBS
Ā	R513	241 2387 908	Carbon Film 1ohm 1/4 W(NB)	RS14B3A4R7JNBS(S) RD14B2E010JNBS RD14B2E200JNBS
A	R513 R556	241 2387 908	Carbon Film 1ohm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W	RD14B2E010JNBS RD14B2E200JNBS
不不不不	R513 R556 R557 R624	241 2387 908 241 2375 978	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB)	RD14B2E010JNBS RD14B2E200JNBS
AAAAA	R513 R556 R557 R624 R625	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB)	RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS
AAAAA	R513 R556 R557 R624	241 2387 908 241 2375 978 242 0073 000 241 2375 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.70hm 1/4 W(NB)	RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS
AAAAA	R513 R556 R557 R624 R625	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB)	RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS
	R513 R556 R557 R624 R625 R626	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908	Carbon Film 1 ohm 1/4 W(NB) Carbon Film 20 ohm 1/4 W(NB) Carbon Composit 2 2Mohm 1/2W Carbon Film 10 ohm 1/4 W(NB) Carbon Film 1 ohm 1/4 W(NB) Carbon Film 4 7 ohm 1/4 W(NB)	RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS
	R513 R556 R557 R624 R625 R626	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 ORS GROU!	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB)	RD14B2E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS
	R513 R556 R557 R624 R625 R626	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940	Carbon Film 1 ohm 1/4 W(NB) Carbon Film 20 ohm 1/4 W(NB) Carbon Composit 2 2Mohm 1/2W Carbon Film 10 ohm 1/4 W(NB) Carbon Film 1 ohm 1/4 W(NB) Carbon Film 4 7 ohm 1/4 W(NB)	RD1482E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 ORS GROU! 253 1179 903	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB)	RD1482E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 ORS GROU! 253 1179 903 254 4260 951	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V	RD1482E010JNBS RD14B2E200JNBS RC05GF2H225K RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 ORS GROU! 253 1179 903 254 4260 951 254 4254 938	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E100JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1C470M CE04W1H010M CF93A1H104J
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 ORS GROU! 253 1179 903 254 4260 951 254 4254 938 254 4260 948	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1C470M CE04W1H010M CF93A1H104J CK45F1H103Z
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4260 951 254 4264 938 254 4260 948 256 1034 979 253 1146 907 254 4259 713	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V	RD1482E010JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1C470M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4260 951 254 4254 938 254 4269 948 256 1034 979 253 1146 907 254 4259 713 253 1146 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E010JNBS RD1482E4R7JNBS CK4581H101K CE04W1H2R2M CE04W1H010M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4259 713 253 1146 907 254 4258 918	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 2.7µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V	RD1482E010JN8S RD1482E200JN8S RD1482E200JN8S RD1482E100JN8S RD1482E010JN8S RD1482E4R7JN8S CK4581H101K CE04W1H2R2M CE04W1C470M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4258 918 256 1042 903	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 2.2µF/50V Electrolytic 11µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V	RD1482E010JN8S RD1482E200JN8S RD1482E200JN8S RD1482E100JN8S RD1482E010JN8S RD1482E4R7JN8S RD1482E4R7JN8S CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 2.2µF/50V Electrolytic 11µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4269 951 254 4254 938 254 4269 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 253 1146 907 253 1146 907 253 1146 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 11µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V	RD1482E010JN8S RD1482E200JN8S RD1482E200JN8S RD1482E100JN8S RD1482E010JN8S RD1482E4R7JN8S RD1482E4R7JN8S CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C521,42 C526 C551 C552	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V	RD1482E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CK45B1H101K CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 253 1179 903 254 4260 951 254 4260 951 254 4264 938 254 4269 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 253 1146 907 253 1146 907 253 1146 907 254 4254 909	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 11µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V	RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C519,520 C521,522 C524 C526 C521,522 C526 C551 C526 C552 C554	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 940 CORS GROU! 253 1179 903 254 4260 951 254 4254 938 254 4260 948 256 1034 979 253 1146 907 254 4258 913 253 1146 907 254 4258 913 253 1146 907 254 4254 909 253 1146 907 254 4258 913 253 1146 907 254 4254 909 254 4254 909 254 4254 909 254 4250 948	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 12µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V	RD14B2E010JNBS RD14B2E200JNBS RD14B2E200JNBS RD14B2E100JNBS RD14B2E010JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS RD14B2E4R7JNBS CE04W1H2R2M CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1C100M CE04W1H010M
AAAAA	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C555 C555 C555 C555 C555 C556	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4254 909 254 4256 790 254 4256 790 253 1146 907 254 4256 790 254 4260 948	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 1200µF/50V Electrolytic 1200µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1C470M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1C100M CE04W1C100M CE04W1H010M CE04W1H010M CE04W1E222MC CK45F1H103Z CE04W1H010M
AAAAA	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C555 C555 C555 C556,557 C558	241 2387 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROU! 253 1179 903 254 4260 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4254 909 254 4254 909 254 4256 790 253 1146 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 47µF/16V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 10µF/16V Electrolytic 1200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 1µF/50V Electrolytic 1µF/50V Electrolytic 1µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1H2R2M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1C100M CE04W1C100M CE04W1C100M CE04W1H010M CE04W1E222MC CK45F1H103Z CE04W1H010M
AAAAA	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C554 C555 C555 C556,557 C558 C569 C5601,602	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4254 909 254 4254 909 254 4256 790 254 4256 790 253 1146 907 254 4256 790 254 4256 948 254 4256 790 253 1146 907 254 4256 948 253 8014 702 254 4252 927	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 1µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1H010M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1C100M CE04W1H010M CE04W1H010M CE04W1H010M CE04W1H010M CK45F1H103Z CE04W1H010M CE04W1H010M CK45F1H103Z CE04W1H010M CK45F2GAC103MC CE04W1H010M
AAAAA	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C554 C555 C555 C556,557 C558 C601,602 C603	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4250 951 254 4254 938 254 4260 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 253 1146 907 254 4254 909 254 4254 909 254 4256 790 254 4256 790 253 1146 907 254 4256 948 253 8014 702 254 4252 927 254 4250 948	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 12µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 10µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1H010M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1C100M CE04W1H010M CE04W1H010M CE04W1H010M CK45F2GAC103MC CE04W1H010M CK45F2GAC103MC CE04W1H010M
AAAAAA	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C555 C555 C556,557 C558 C601,602 C603 C604	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4269 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4254 909 254 4256 790 254 4256 790 254 4256 790 254 4260 948 253 1146 907 254 4256 948 253 8014 702 254 4250 948 253 1146 907 254 4260 948 253 8014 702 254 4250 948 253 1146 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1.µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 120µF/50V Electrolytic 11µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1H010M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1H010M CE04W1H010M CE04W1H010M CK45F2GAC103MO CK45F2GAC103MO CK45F1H103Z CE04W1H010M CK45F2GAC103MO CK45F1H103Z
AAAAAA	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C554 C555 C555 C556,557 C558 C601,602 C603	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4250 951 254 4254 938 254 4260 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 253 1146 907 254 4254 909 254 4254 909 254 4256 790 254 4256 790 253 1146 907 254 4256 948 253 8014 702 254 4252 927 254 4250 948	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 12µF/50V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/35V Metalized 0.1µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 10µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1H010M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1C100M CE04W1H010M CE04W1H010M CE04W1H010M CK45F2GAC103MC CE04W1H010M CK45F2GAC103MC CE04W1H010M
	R513 R556 R557 R624 R625 R626 CAPACIT C501,502 C503,504 C505,506 C507,508 C511,512 C513,514 C517,518 C519,520 C521,522 C524 C526 C551 C552 C555 C555 C556,557 C558 C601,602 C603 C604	241 2987 908 241 2375 978 242 0073 000 241 2375 907 241 2387 908 241 2387 908 241 2387 940 CORS GROUI 253 1179 903 254 4260 951 254 4269 948 256 1034 979 254 4259 713 253 1146 907 254 4258 918 256 1042 903 253 1146 907 254 4254 909 254 4256 790 254 4256 790 254 4256 790 254 4260 948 253 1146 907 254 4256 948 253 8014 702 254 4250 948 253 1146 907 254 4260 948 253 8014 702 254 4250 948 253 1146 907	Carbon Film 10hm 1/4 W(NB) Carbon Film 20ohm 1/4 W(NB) Carbon Composit 2.2Mohm 1/2W Carbon Film 10ohm 1/4 W(NB) Carbon Film 10ohm 1/4 W(NB) Carbon Film 10hm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Carbon Film 4.7ohm 1/4 W(NB) Ceramic 100pF/50V Electrolytic 2.2µF/50V Electrolytic 1.µF/50V Metalized 0.1µF/50V Electrolytic 3300µF/35V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 10µF/50V Ceramic 0.01µF/50V Electrolytic 10µF/50V Electrolytic 2200µF/25V Ceramic 0.01µF/50V Electrolytic 120µF/50V Electrolytic 11µF/50V	RD1482E010JNBS RD1482E200JNBS RD1482E200JNBS RD1482E100JNBS RD1482E010JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS RD1482E4R7JNBS CE04W1H010M CE04W1H010M CF93A1H104J CK45F1H103Z CE04W1V332MC CK45F1H103Z CE04W1V100M CF93A2E104K CK45F1H103Z CK45F1H103Z CK45F1H103Z CE04W1H010M CE04W1H010M CE04W1H010M CK45F2GAC103MO CK45F2GAC103MO CK45F2GAC103MO CK45F1H103Z

Ref. No.	Part No.	Part Name	Remarks	
C609	254 4254 776	Electrolytic 470μF/16V	CE04W1C471M	
C610,611	254 4252 079	Electrolytic 1000µF/10V	CE04W1A102M	
C701	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J	
C702	254 4261 921	Electrolytic 100µF/50V	CE04W1H101M	- 1
C703	254 4250 945	Electrolytic 330µF/6.3V	CE04W0J331M	
OTHER G	ROUP			Q'ty
		(P.W.Board)	"	1
L501,502	235 0104 007	Inductor tµH		2
L701	235 0060 989	Indictor 120µH		1
FL501	214 0167 005	Relay(G5Z-2A)	Rear	1
⚠ RL551	214 0170 005	Relay(TV-8)		
S701~721	212 5604 910	Tact Switch		21
	202 0040 909			6
1 A 18 6 8 9	203 3941 008	AC Outlet(2 P)		
Λ	233 6073 000	Power Trans(Mini)		
F001	216 1046 001	F.A. TITT, T. T. A. BIT, Ph. 89-72.	Fuse Pri.	
⚠ F003,004	216 1046 027	Fuse 5 A	Fuse Sec	2
	204 8442 000	4P Pin Jack(C-GND)	Video	1
	205 0592 003	4P Push Terminal	Rear	1
CN4A	205 0343 045	4P Conn. Base(KR-PH)		1
CN11A	204 6469 001	11P PH-SAN Conn. Cord	į	1
CN12A	204 6470 003	12P PH-SAN Conn. Cord	1	1
	205 0075 025	2P Terminal		1

1U-2651B REAR AMP. UNIT ASS'Y (Europe model) [Same as 1U-2651 (for U.S.A. and Canada models) except the followings.]

Ref. No. Part Name Remarks Part No. RESISTORS GROUP 242 0073 000 Garbon Composit 2.2Mohm Delete R557 CAPACITORS GROUP 253 1179 903 | Ceramic 100pF/50V C501.502 Add 253 1179 903 C531,532 Ceramic 100pF/50V Add OTHER GROUP 203 3941:008 AC Outlet (2P) Delete Power Trans (Mini) Change 233 6058 012 <u>^</u> F001 <u>↑</u> F003,004 Fuse (2.5A) Change " 205 1015 032 Fuse 5A Delete: 216 1046 027 202 0040 909 Fuse Clip (4) Change 205 0692 000 2P Wrapping Terminal Add

1U-2652 SURROUND UNIT ASS'Y (U.S.A. and Canada models)

Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS		
IC001	263 0891 001	IC LA1265(S)	
IC002	263 0439 007	IC LA3401	
IC002	263 0791 907	IC LM7001M	
IC004	216 0064 007	Front End	
10101	263 0672 903	IC BA4558F	ļ
IC102	262 1228 007	1C LC7822	[
IC103	263 0672 903	IC BA4558F	İ
IC201	263 0906 006	IC NJM2177AF	1
IC202	262 1874 008	IC NJU9701G	
IC203	262 1875 900	IC BU40668CF	
IC205	262 1875 900	IC BU4066BCF	
IC261	263 0672 903	IC BA4558F	
1C262	262 0625 009	IC TC9176P	
IC263	263 0672 903	IC BA4558F	
IC264	263 0905 900	IC BA6208F	
TR002	273 0411 909	Transistor 2SC2996-Y	B. W. Dr. Year
TR003,004	269 0114 906	Transistor RN2402	Built in Resistor
TR005	273 0403 904		
TR006	275 0075 901	[Dura to Floritate
TR007,008	269 0066 902	_	Built in Resistor
TR009	269 0085 909		Built in Resistor
TR010	269 0086 908	Transistor DTA114TK	Built in Resistor
TR201	269 0055 900	Transistor DTA144EK	Built in Resistor
TR202,203		Transistor DTC144EK	Built in Resistor
TR205	269 0054 901	Transistor DTC144EK	Built in Resistor
TR206	273 0384 900	Transistor 2SC2412K(S)	D. D. D. Carre
	269 0054 901	Transistor DTC144EK	Built in Resistor
TR210	274 0169 908	Transistor 2SD1292(R)	
D001~003	276 0616 907	Diode 1SS252	
D006	276 0616 907	Diode 1SS252	
D202~205	ŀ	Diode 1SS252	
D261	276 0616 907	Diode 1SS252	
ZD 201	276 0462 902	Zener Diode HZS68-1	6V
	DO ODOUD	(N) A is a local and Constant of Fig.	Les 159/ 1/4 W Tune
		(Not included Carbon Fi	
Refer to t	ne Schemat	ic Diagram for those Pa	rts.j
R001	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
R003	247 0004 906	Chip Carbon 39ohm 1/10W	RM73B39OJ
R005	247 0007 945	Chip Carbon 1 kohm 1/19W	RM738102J
R007	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J
R008	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J
R009	247 0005 989	Chip Carbon 220ohm 1/10W	RM73B221J
R010	247 0008 902	Chip Carbon 1.8kohm 1/10W	RM73B182J
H011	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J
R014	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R015	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J
R016	247 0008 986	'	RM73B392J
R017	247 0006 946	Chip Carbon 390ohm 1/10W	ЯМ73В39 1 Ј
R018	247 0005 947	Chip Carbon 150ohm 1/10W	RM73B151J
R019	247 0005 921	Chip Carbon 120ohm 1/10W	RM73B121 J
R020	247 0010 929	Chip Carbon 15kohm 1/10W	PM73B-153J
R021	247 0005 921	Chip Carbon 120ohm 1/10W	PM73B121J
R022	247 0010 945	Chip Carbon 18kohm 1/10W	RM73B183J
R023	247 0018 905	Chip Carbon 0ohm 1/10W	RM73BOROK
R024	247 0009 943	Chip Carbon 6.8kohm 1/10W	RM73B682J
R025,026	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
R027	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM738332J
R028	247 0009 972	Chip Carbon 9.1kohm 1/10W	RM738912J
R029	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B6835J

Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R030,031	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B-623J	R239,240	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R032	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	R241,242	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
1	247 0012 943	Chip Carbon 120kohm 1/10W	RM73B124J	R251,252	247 0008 928	Chip Carbon 2.2kohm 1/10W	RM73B222J
R035	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	R253,254	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J
R036	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J			Chip Carbon 100kohm 1/10W	RM73B104J
R037,038	247 0012 927	Chip Carbon 100kohm 1/10W	RM738104J	R263,264	247 0013 900	Chip Carbon 220kohm 1/10W	RM73B224J
R039,040	247 0008 960	Chip Carbon 3.3kohm 1/10W	AM738-332J	R265,266	247 0007 945	Chip Carbon 1kohm 1/10W	PM73B102J
8041,042	247 0009 943	Chip Carbon 6.8kohm 1/10W	RM73B682J	R267,268	247 0008 960	Chip Carbon 3.3kahm 1/10W	RM73B332J
R043	247 0010 961	Chip Carbon 22kohm 1/10W	RM73B223J	R269,270	247 0005 905	Chip Carbon 100ohm 1/10W	FIM73B101J
R044,045	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	R271	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J
R046	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	R272	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R047	247 0009 985	Chip Carbon 10kohm 1/10W	RM738103J	R273	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
R050	247 0005 906	Chip Carbon 100ghm 1/10W	RM73B101J	FI274	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J
R051,052	247 0012 927	Chip Carbon 100kohm 1/10W	PM73B104J	R275,276	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
R072	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K	R277,278	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
R080	247 1018 904	Chip Carbon Cohm 1/8W	RM73B2B0R0K	R279	247 0013 984	Chip Carbon 470kohm 1/10W	PM73B474J
R082,083	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K	R280	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
R084	247 0018 905	Chip Carbon 0ohm 1/10W	RM73B0R0K	R281	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J
R085-092	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K	R282	247 0005 905	Chip Carbon 100ohm 1/10W	RM738101J
R094	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K	1		l <u>-</u>	
R096~098	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K	VR261	211 0802 002	Variable Resister 100kohm	:
R101,102	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J		<u> </u>		
R103,104	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B683J	CAPACIT	ORS GROUP	>	
R105,106	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J	·			OVZDC4U4007
R107,108	247 0004 922	Chip Carbon 47ohm 1/10W	RM73B470J	C001	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z CC73SL1H120J
R109,110	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	Ç004	257 0002 947	Chip Ceramic 12pF/50V	
R111,112	247 0014 909	Chip Carbon 560kohm 1/10W	RM73B564J	C005	254 4254 909	Electrolytic 10µF/16V	CE04W1C100W CK73F1H103Z
R113,114	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C007,008	257 0012 966	Chip Ceramic 0.01 µF/50V Electrolytic 1 µF/50V	CE04D1H010MBP
F115.116	247 0003 949	Chip Carbon 22ohm 1/10W	RM73B220J	C011	254 3056 917	(Bipole)	GEOAD LUOINNOE
R117,118	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	0040	004 4004 039	Electrolytic 47µF/16V	CE04W1C470VI
A119,120	247 0013 984	Chip Carbon 470kohm 1/10W	RM738474J	C012	254 4254 938 254 4260 906	Electrolytic 0.1 µF/50V	CE04W1H0R1M
R121~132	247 0015 966	Chip Carbon 2.7Mohm 1/10W	RM738275J	C013 C014	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R133-144	247 0006 962	Chip Carbon 470ohm 1/10W	AM73B471J	C014 C016	257 0012 962	Chip Ceramic 100pF/50V	CC73SL1H101J
R145	247 0014 925	Chip Carbon 680kohm 1/10W	RM73B684J RM73B471J	C017,018	257 0004 901	Chip Ceramic 0.01uF/50V	CK73F1H103Z
R151,152	247 0006 962	Chip Carbon 470ohm 1/10W Chip Carbon 62kohm 1/10W	RM73B623J	C019	254 4260 935	Electrolytic 0.47µF/50V	CE04W1HR47M
R153,154 R155,156	247 0011 973 247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J	C020	254 4260 948	Electrolytic 1 µ F/50V	CE04W1H010M
R157~160	247 0013 964	Chip Carbon 100ohm 1/10W	RM73B101J	Ç021	254 4260 980	Electrolytic 10µF/50V	CE04W1H100W
A201	247 0003 905	Chip Carbon 7.5kohm 1/10W	RM73B752J	C022	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R202	247 0003 330	Chip Carbon 47kohm 1/10W	RM73B473J	C023	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J
F1203	247 0010 929	Chip Carbon 15kohrn 1/10W	RM73B153J	C024	256 1034 940	Metalized 0.056µF/50V	CF93A1H563J
R204	247 0009 956	Chip Carbon 7,5kohm 1/10W	RM73B752J	C025	254 4254 912	Electrolytic 22µF/16V	CE04W1C220VI
R205	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C027	254 4254 909	Electrolytic 10µF/16V	CE04W1C100W
R206	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C028	254 4260 948	Electrolytic 1µF/50V	CE04W1H010V
A207	247 0016 923	Chip Carbon 4.7Mohm 1/10W	RM73B475J	C029	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z
FI208,209	247 0011 960	Chip Carbon 56kohm 1/10W	RM73B563J	C033,034	257 0002 976	Chip Ceramic 16pF/50V	CC73\$L1H16iJ
R210	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	C035	256 1034 937	Metalized 0.047μF/50V	CF93A1H473J
R211	247 0019 988	Chip Carbon 100kohm 1/10W	RM73B~104F(±1%)	C036,037	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R212	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C038	254 4254 938	Electrolytic 47µF/16V	CE04W1C470yJ
R213	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J	C039	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
FI214	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B163J	C040	254 4260 948	Electrolytic 1µF/50V	CE04W1H010vi
R215	247 0013 942	Chip Carbon 330kohm 1/10W	RM73B334J	C041	254 4254 938	Electrolytic 47µF/16V	CE04W1C470vl
Fi218~220	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J	C042	254 4260 948	Electrolytic 1μF/50V	CE04W1H010M
R221~223	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J	C043	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M
R224	247 0014 967	Chip Carbon 1Mohm 1/10W	RM73B105J	C044	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R225	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C045	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R226	247 0010 945	Chip Carbon 18kohm 1/10W	RM73B183J	C046,047	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M
R227	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	C048	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R228,229	247 0003 936	Chip Carbon 20ohm 1/10W	RM73B200J	C049	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R230	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J	C051	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2W
R231	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	C052	254 4254 909	Electrolytic 10µF/16V	GE04W1C100V
R232	247 0010 945	Chip Carbon 18kohm 1/10W	RM73B183J	C053,054	257 0006 972	1 '	CC73SL1H75U
R233~235	247 0011 944	Chio Carbon 47kohm 1/10W	RM73B473J	C056,057	257 0012 966	1 -	CK73F1H103Z
∄ R236	all and the second second second second	Carbon Film 4.76hm; 1/4 W(NB)		C059-061	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H1032
R237	247 0007 945	Chip Carbon 1kohm 1/10W	RM738102J	C063	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
				1			
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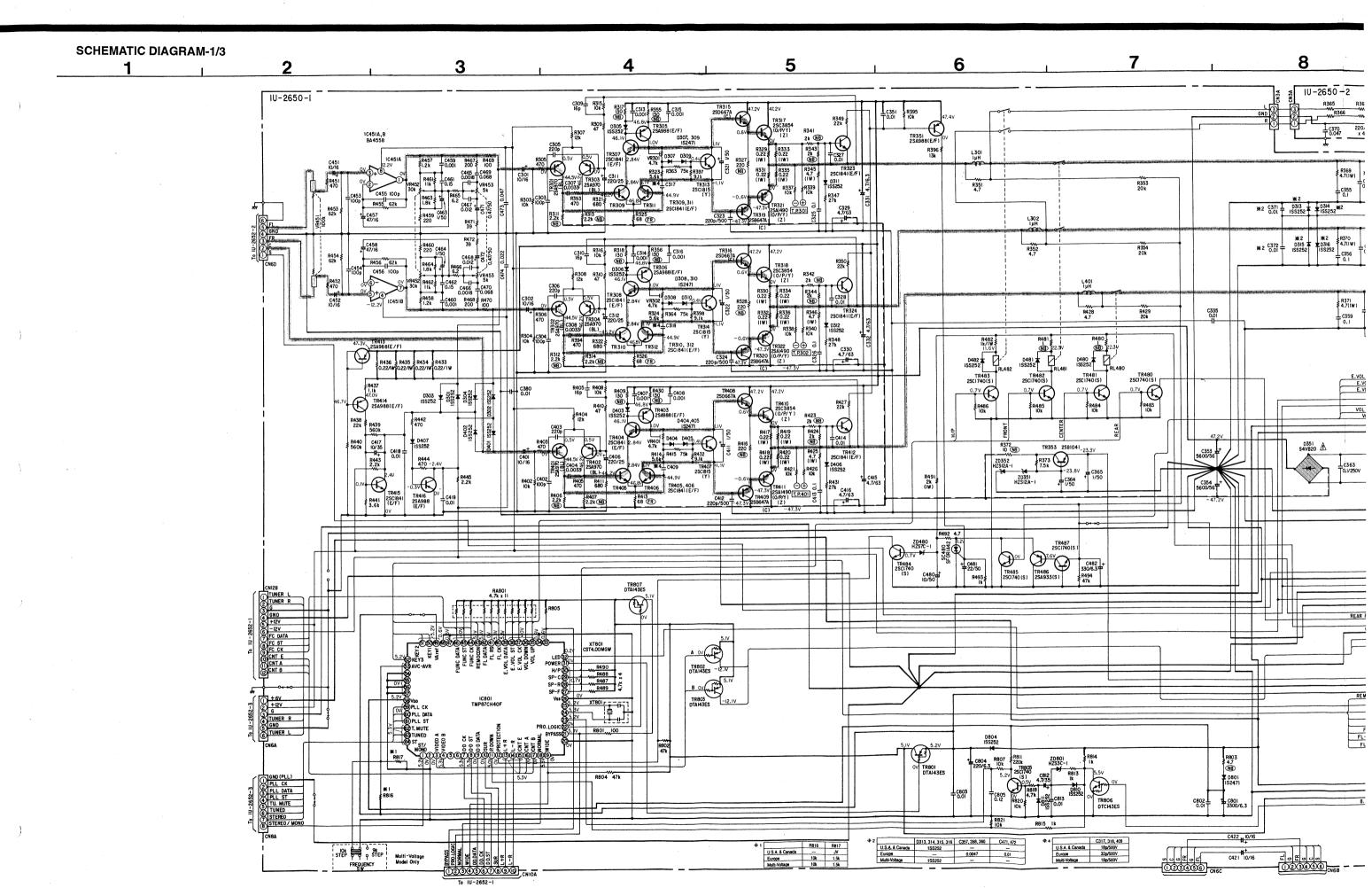
lef. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks	_
C065	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C276	254 3056 917	Electrolytic 1µF/50V	CE04D1H010M8P	,
C101,102	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	Ш		(Bipole)		
C103,104	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C277	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	
C105,106	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	C278	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	
C107,108	254 4254 925	Electrolytic 33µ F/16V	CE04W1G330M	C279	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	
C109,110	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)][
C111,112	257 0009 908	Chip Ceramic 1500pF/50V	CK73B1H152K	OTHER (GROUP	· · · · · · · · · · · · · · · · · · ·		To
C113,114	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z		1			Ť
C115,116	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	H		(P.W.Board)		
C138	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	II				
C136~138	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	CF001	261 0135 907	Ceramic Filter MA8		
C139	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H222K	CF002	261 0136 906	Ceramic Filter MS2G		
C151,152	254 4254 909	Electrolytic 10uF/16V	CE04W1C100M	CF003	261 0031 001	Ceramic Filter BFU450C4		
C153,154	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	CF004	261 0079 005	Ceramic Filter CSB456F11		
C155,156	254 4260 948	Electrolytic 1uF/50V	CE04W1H010M	[] CF005	261 0116 007	Ceramic Filter SFU450B3		
C201,202	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J		225 40 40 400	1-4-4-400		
C203	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J	L201	235 0060 989	Inductor 120µH		
C204	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J	,,		0		
C205,206	256 1034 979	Metalized 0.1µF/50V	CF93A1H104J	XT001	399 0075 003	Crystal 7.2 MHz	0040 4040 750	
C207	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J	XT201	399 0223 907	Ceramic Resonator	CSA2.00MG-TF01	
C208	256 1034 937	Metalized 0.47u F/50V	CF93A1H474J		004 0000 001		ì	
C209	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	BL001	231 2096 001	MW Ant. Osc.Coil		
C210,211	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M			4445		
C212	254 4252 930	Electrolytic 100μF/10V	CE04W1A101M	T003	231 1138 009	AM IFT		
0213	255 1264 982	Plastic Film 0.0047µF/50V	CQ93M1H472J(B)	T004	231 2085 009	FM Det. Trans		
0214	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	11				
0215	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11	205 0505 003	4P Push Terminal		
0216	256 1035 910	Metalized 0.22μF/50V	CF93A1H224J		204 8313 003	4P Pin Jack(S-GND)		
2217,218	254 4254 909	Electrolytic 10uF/16V	CE04W1C100M	11	204 8346 009	6P Pin Jack(S-GND)	1	
C219	254 4254 941	Electrolytic 100μF/16V	CE04W1C101M				İ	
C220	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)	TP	205 0190 036	3P NH Conn. Base		
C221	254 4250 958	Electrolytic 470µF/6.3V	CE04W0J471M	CN6A	205 0748 064	JL Connector(R)		
C222	256 1034 937	Metalized 0.47µF/50V	CF93A1H474J	CN6B	205 0748 064	JL Connector(R)		
C223	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	CN6C	205 0748 064	JL Connector(R)		
C224	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H222K	CN6D	205 0483 060	6P MQ-ST Conn. Base		
2225	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	CN8A	205 0483 086	8P MQ-ST Conn. Base		
C226	256 1035 978	Metalized 0.68µF/50V	CF93A1H684J	CN9A	205 0483 099	9P MQ-ST Conn. Base		
	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J	CN10A	205 0483 002	10P MQ-ST Conn. Base		
02:30,231	254 4260 977	Electrolytic 4.7µF/50V	CE04W1H4R7M	ÇN12B	205 0483 025	12P MQ-ST Conn. Base		
0232	256 1035 910	Metalized 0.22µF/50V	CF93A1H224J					l
0233~236	256 1034 979	Metalized 0.1μF/50V	CF93A1H104J	11				ļ
0237,238	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(B)	11				į
0239-241	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	11				ì
C242	257 0014 935	Chip Ceramic 0.1 µF/25V	CK73F1E104Z	H			ļ	
243.244	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	[]]		Ì	
245	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	П	;			
246	257 0009 940	Chip Ceramic 3300pF/50V	CK73B1H332K	11				
247	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1E104Z	11				
248,249	257 0013 907	Chip Ceramic 0.047µF/50V	CK73F1H473Z	11				
250	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	П]]			
251	257 0014 935	Chip Ceramic 0.1µF/25V	CK73F1E104Z	11				
252	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J	-11				
253,254	257 0009 979	Chip Ceramic 5600pF/50V	CK73B1H562K	11]			
255	257 0014 935	Chip Ceramic 0.1 µF/25V	CK73F1E104Z	11	j			i
256	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11				
257	254 4252 930	Electrolytic 100µF/10V	CE04W1A101M	11			ì	
259,260	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	11				
261-264	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M		- -			
265	257 0006 927	Chip Ceramic 470pF/50V	CC73SL1H471J					
266	257 0005 986	Chip Ceramic 330pF/50V	CC73SL1H331J	11	j			1
267,268	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11			1	
269,270	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	11				
271,272	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M					
273	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	H				{
_	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	11]]			ŀ
74,2/5	; <u>2</u> 04 4 23 4 303							

1U-2652B SURROUND UNIT ASS'Y (Europe model)

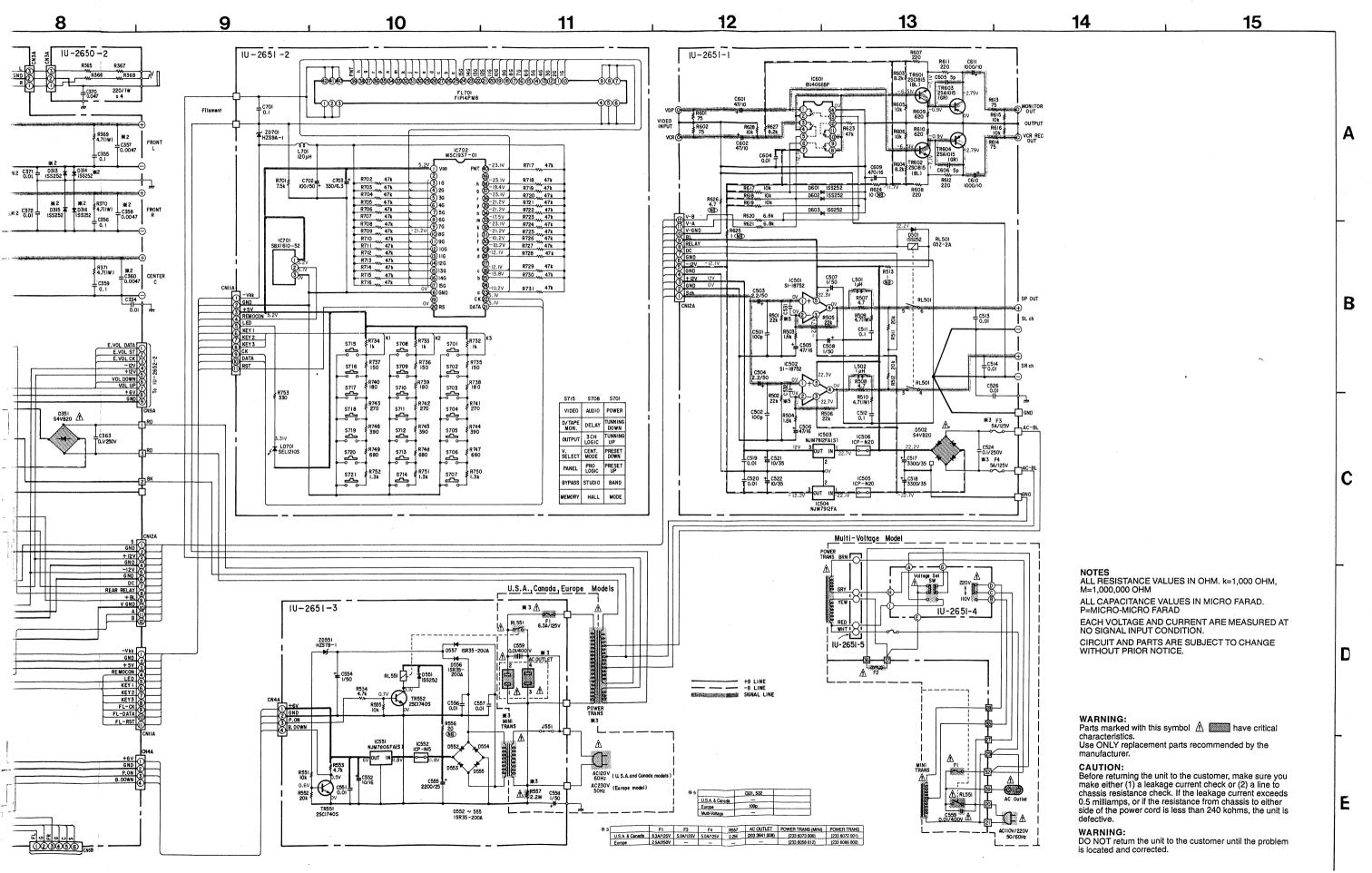
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
SEMICON	DUCTORS			R025,026	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
		IC LA1265(S)		R027	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
IC001	263 0891 001			R028	247 0009 972	Chip Carbon 9.1kohm 1/10W	RM73B912J
IC002	263 0439 007	IC LA3401		R029	247 0011 986	Chip Carbon 68kohm 1/10W	RM73B683J
IC003	263 0791 907	IC LM7001M		R030	247 0011 928	Chip Carbon 39kohm 1/10W	RM73B393J
IC004	216 0065 006	Front End		A031	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B623J
IC101	263 0896 909	NJM2068MD		R032	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
lC102	262 1228 007	IC LC7822		1	247 0012 998	Chip Carbon 200kohm 1/10W	RM73B-204J
IC103	263 0672 903	IC 8A4558F		R033,034		l '	
IC201	263 0906 006	IC NJM2177AF	1	R035	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
IC202	262 1874 008	IC NJU9701G		R036	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
		IC BU4066BCF		R037,038	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
IC203	262 1875 900		1	R039~042	247 0008 960	Chip Carbon 3.3kohm 1/10W	RM73B332J
IC205	262 1875 900	IC BU4066BCF		R043	247 0010 961	Chip Carbon 22kohm 1/10W	RM73B223J
!C261	263 0672 903	IC BA4558F		R044,045	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
:C262	262 0625 009	IC TC9176P		R046	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J
C263	263 0672 903	IC BA4558F	Į.	R047	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J
IC264	263 0905 900	IC BA6208F		: I	1	'	
				R051,052	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
TDood	275 0074 902	FFT 2SK211-Y/GR		R071	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR001				R079	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR002	273 0411 909	Transistor 2SC2996-Y	D. W. I. D	R081	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR003,004	269 0114 906	Transistor RN2402	Built in Resistor	F1083	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR005	273 0403 904	Transistor 2SC2712-Y/GR		R084	247 0018 905	Chip Carbon John 1/10W	RM73B0R0K
TR006	275 0075 901	FET 2SK209-Y/GR		R085-094	247 1018 904	Chip Carbon 0ohm 1/8W	RM73B2B0R0K
TR007,008	269 0066 902	Transistor DTC323TK	Built in Resistor	1 1			
TR009	269 0085 909	Transistor DTC144TK	Built in Resistor	R096098	247 1018 904	Chip Carbon Oohm 1/8W	RM73B2B0R0K
TR010	269 0086 908	Transistor DTA114TK	Built in Resistor	R101,102	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J
				R103,104	247 0011 986	Chip Carbon 68konm 1/10W	RM73B683J
TR201	269 0055 900	Transistor DTA144EK	Built in Resistor	R105,106	247 0012 969	Chip Carbon 150kohm 1/10W	RM73B154J
TR202,203	269 0054 901	Transistor DTG144EK	Built in Resistor	R107,108	247 0004 922	Chip Carbon 47ohm 1/10W	RM73B470J
TR205	269 0054 901	Transistor DTC144EK	Built in Resistor	R109,110	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J
TR206	273 0384 900	Transistor 2SC2412K(S)		1 1	247 0014 909	Chip Carbon 560kohm 1/10W	RM73B-564J
TR207~209	269 0054 901	Transistor DTC144EK	Built in Resistor	R111,112	ì	'	
TH210	274 0169 908	Transistor 2SD1292(R)		H113,114	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J
111210	2740100000	Translator 200 T202(17)		R115,116	247 0003 949	Chip Carbon 22ohm 1/10W	RM73B220J
		B: 4-100050		R117,118	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
D001-003	276 0616 907	Diode 1SS252		R119,120	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B 474J
D006	276 0616 907	Diode 1SS252		R121-132	247 0015 966	Chip Carbon 2.7Mohm 1/10W	RM73B275J
D202205	276 0616 907	Diode 1SS252		R133~144	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
D261	276 0616 907	Diode 1SS252		I I	1	1 '	RM73B684J
				R145	247 0014 925	Chip Carbon 680kohm 1/10W	
ZD201	276 0462 902	Zener Diode HZS6B-1	6V .	R151,152	247 0006 962	Chip Carbon 470ohm 1/10W	RM73B471J
20201	210 0402 002	Zonor orodo rizado	1	R153,154	247 0011 973	Chip Carbon 62kohm 1/10W	RM73B623J
			Ì	R155,156	247 0013 984	Chip Carbon 470kohm 1/10W	RM738 474J
			İ	R157-160	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J
DECICTO	DE COOUR	Not included Carbon Fil	m +5% 1/4 W Type	R201	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J
				R202	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B 473J
Refer to t	he Schemati	c Diagram for those Par	ts.)	I I	I .	1 -	
DAGE	747 8007 04F	Chip Carbon 1kohm 1/10W	RM73B102J	R203	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J
R001			1	R204	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM73B752J
R002	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	R205	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B473J
R003	247 0004 906	Chip Carbon 39ohm 1/10W	RM73B390J	R206	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J
R004	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	R207	247 0016 923	Chip Carbon 4.7Mohm 1/10W	RM7)B475J
R006	247 0006 946	Chip Carbon 390ohm 1/10W	RM73B391J	R208,209	247 0011 960	Chip Carbon 56kohm 1/10W	RM73B 563J
R006	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J	R210	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J
R007	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J	!!	1	· •	RM73B 104F(±1%
	247 0009 901	Chip Carbon 330ohm 1/10W	RM73B331J	R211	247 0019 988	Chip Carbon 100kohm 1/10W	
R008	1	1 -		R212	247 0010 929	Chip Carbon 15kohm 1/10W	HM3B153J
R009	247 0005 989	Chip Carbon 220ohm 1/10W	RM73B221J	R213	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM3B822J
R010	247 0008 902	Chip Carbon 1.8kohm 1/10W	RM73B182J	R214	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B 153J
R011	247 0006 920	Chip Carbon 330ohm 1/10W	RM73B331J	R215	247 0013 942	Chip Carbon 330kohm 1/10W	RM73B 334J
R014	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	R218~220	247 0011 944	Chip Carbon 47kohm 1/10W	RM73B 473J
R015	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM73B822J	R221~223	247 0009 969	Chip Carbon 8.2kohm 1/10W	RM7)B822J
R016	247 0008 986	Chip Carbon 3.9kohm 1/10W	RM73B392J	l I	1	· ·	RM7)B105J
	1	Chip Carbon 390ohm 1/10W	RM73B391J	R224	247 0014 967	Chip Carbon 1Mohm 1/10W	
R017	247 0006 946			R225	247 0010 929	Chip Carbon 15kohm 1/10W	RM7)B153J
R018	247 0005 947	Chip Carbon 150ohm 1/10W	RM73B151J	R226	247 0010 945	Chip Carbon 18kohm 1/10W	RM7/B183J
R019	247 0005 921	Chip Carbon 120ohm 1/10W	RM73B121J	R227	247 0010 929	Chip Carbon 15kohm 1/10W	RM7/B~-153J
R020	247 0010 929	Chip Carbon 15kohm 1/10W	RM73B153J	R228.229	247 0003 936	Chip Carbon 20ohm 1/10W	RM7;B200J
R021	247 0005 921	Chip Carbon 120ohm 1/10W	RM73B121J	R230	247 0009 956	Chip Carbon 7.5kohm 1/10W	RM7:B752J
R022	247 0003 921	Chip Carbon 39kohm 1/10W	RM73B393J	I I		- '	RM7;B562J
				R231	247 0009 927	Chip Carbon 5.6kohm 1/10W	
R023	247 0007 961	Chip Carbon 1.2kohm 1/10W	RM73B122J	R232	247 0010 945	Chip Carbon 18kohm 1/10W	RM7(B183J
	247 0009 943	Chip Carbon 6.8kohm 1/10W	RM73B682J	H			1
R024	2 0220 2.5	, ,		I I			

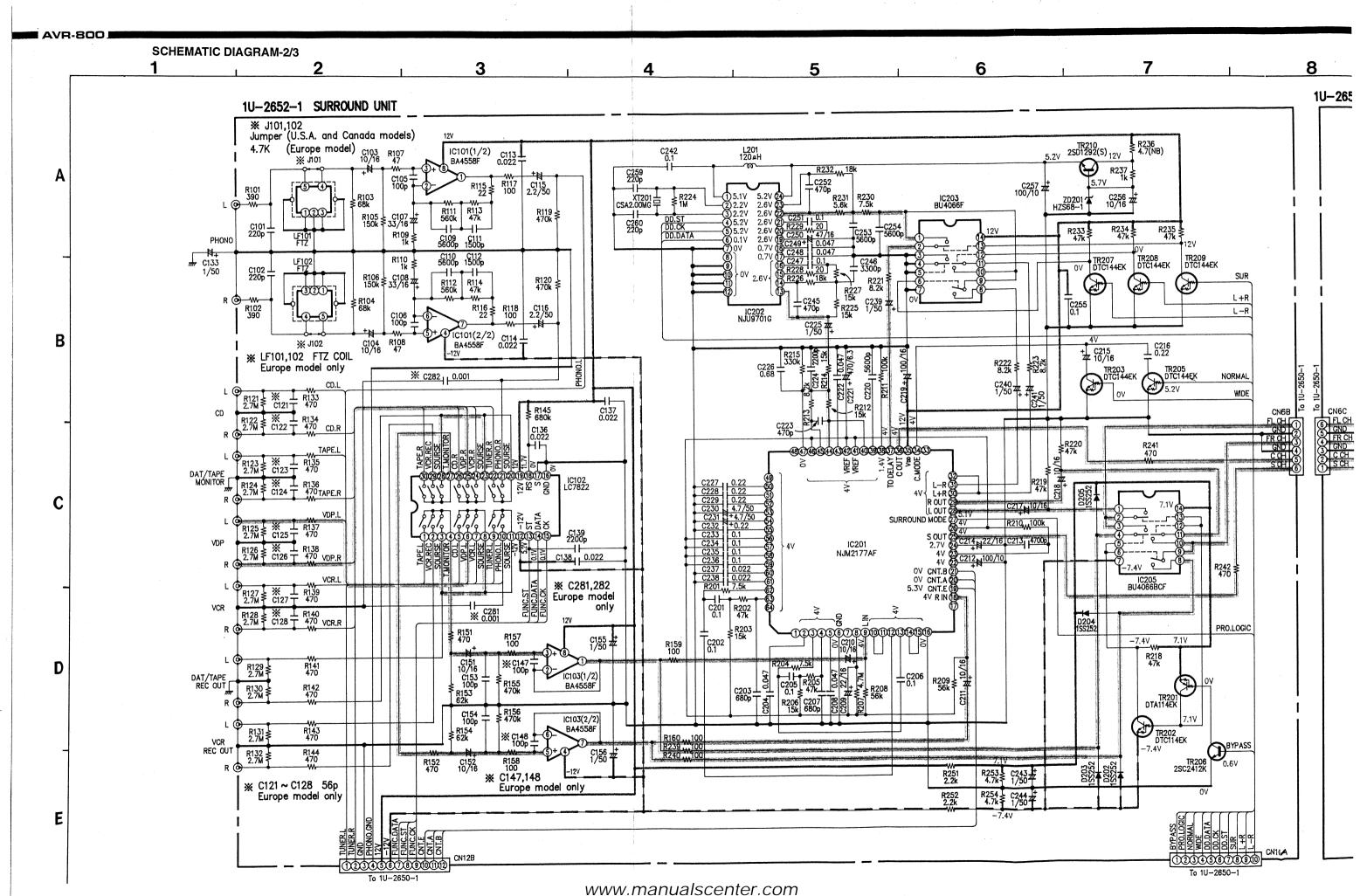
mar N.	David N.	Part Name	Remarks	
Ref. No.	Part No.			
C269,270	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	- 1
C271,272	254 4254 909	Electrolytic 10μF/16V	CE04W1C100M	
C273	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J	
C274,275	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	l
C276	254 3056 917	Electrolytic 1µF/50V (Bipole)	CE04D1H010MBP	ŀ
C277	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	
C278	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	1
C279	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	
C281,282	255 1264 908	Plastic Film 0.001µF/50V	CQ93M1H102J	
				Q'ty
OTHER G	ROUP			
	_	(P.W,Board)		1
CF001,002	261 0064 007	Ceramic Filter SFT10.7MS2	ļ	2
1	261 0004 001	Ceramic Filter BFU450C4		1
CF003	261 0031 001	Ceramic Filter CSB456F11		1
CF004	261 0019 003	Ceramic Filter SFU450B3		1
CF005	2010110007	Geranic Finor Cr C 444		
1.201	235 0060 989	Inductor 120µH	ļ	1
VTDA	399 0075 003	Crystal 7.2 MHz		1
XTG01	399 0075 003	Ceramic Resonator	CSA2.00MG-TF01	1
XT201	399 0223 907	Celanic Resoriator		
BL001	231 2096 001	MW Ant. Osc. Coil		1
T	004 44 00 000	AM JET		i
T003	231 1138 009			1
T004	231 2085 009	FM Del. Halls		`
LFC01	232 0159 008	Anti Birdie Filter	l .	1
LF002,003		1		1
L '				. 2
LF:01,102	233 9003 002	F12 GIIGNG ODII	ļ	
1	204 8313 003	4P Pin Jack(S-GND)	1	2
	204 8346 009	1		1
	205 0776 007			1
	1			1
TP	205 0190 036	3P NH Conn. Base	Ì	1
CN6A	205 0748 064			1
CN6B	205 0748 064			1
CN6C	205 0748 064		ļ	1
CN6D	205 0483 060	1		1
CNBA	205 0483 086	1	-	1
CN9A	205 0483 099	1 '		2
1	205 0483 002	_ · · · · ·		1
CN10A	205 0483 025			1
CN12B	205 0465 025	IZI WEST SEMIN SUSS		
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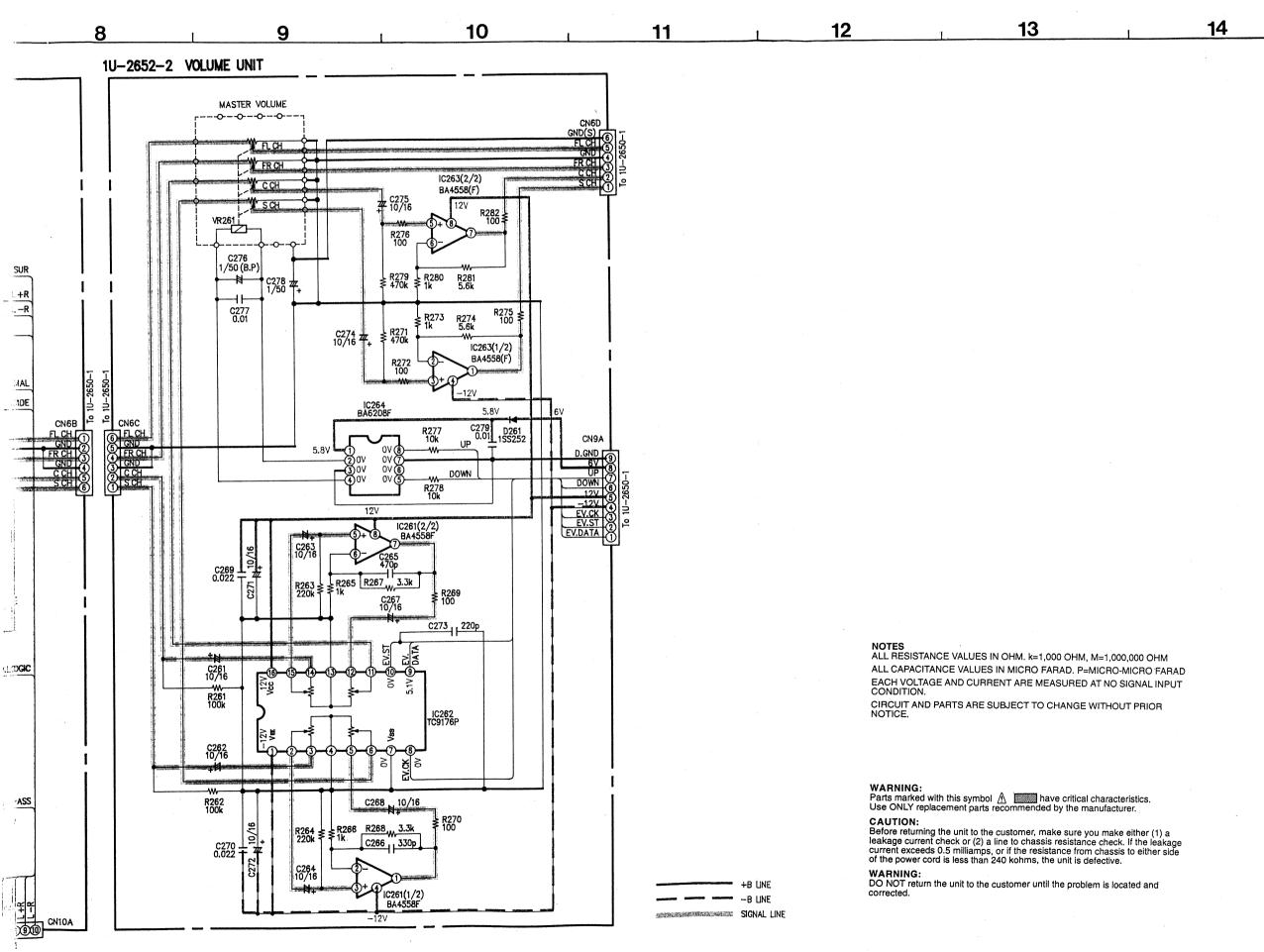
Ref. No.	Part No.	Part Name	Remarks	Ref. No.	Part No.	Part Name	Remarks
R233~235	247 0011 944	Chip Carbon 47kohm 1/10W	PM73B473J	C059-061	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z
/N R236	241 2387 840	Carbon Film 4.7ohm 1/4 W(NB)	BD1482E4R7JNBS	C063	254 4254 909	Electrolytic 10μF/16V	CE04W1C100M
R237	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	C065	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z
	247 0005 905	Chip Carbon 100ohm 1/10W	RM738101J	C101,102	257 0005 944	Chip Ceramic 220pF/50V	CC73SL1H221J
	247 0006 962	Chip Carbon 470ohm 1/10W	RM738471J	C103,104	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M
	247 0008 928	Chip Carbon 2.2kohm 1/10W	RM73B222J	C105,106	257 0004 961	Chip Ceramic 100pF/50V	CC73\$L1H101J
	247 0009 901	Chip Carbon 4.7kohm 1/10W	RM73B472J	C107,108	254 4254 925	Electrolytic 33µF/16V	CE04W1C330M
R261,262	247 0012 927	Chip Carbon 100kohm 1/10W	RM73B104J	C109,110	255 1264 995	Plastic Film 0.0056µF/50V	CQ93M1H562J(B)
	247 0012 327	Chip Carbon 220kohm 1/10W	RM73B224J	C111,112	257 0009 908	Chip Ceramic 1500pF/50V	CK73B1H162K
R265,266	247 0013 900	Chip Carbon 1kohm 1/10W	RM73B102J	C113,114	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
	247 0007 945	Chip Carbon 3.3kohm 1/10W	RM73B332J	C115,116	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M
R267,268	į.	Chip Carbon 100ohm 1/10W	RM73B101J	C121~128	257 0004 903	Chip Ceramic 56pF/50V	CC73SL1H560J
	247 0005 905	Chip Carbon 470kohm 1/10W	RM73B474J	C133	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R271	247 0013 984		RM73B101J	C136-138	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z
R272	247 0005 905	Chip Carbon 100ohm 1/10W	! I	C139	257 0012 302	Chip Ceramic 2200pF/50V	CK73B1H222K
R273	247 0007 945	Chip Carbon 1kohm 1/10W	RM73B102J	1	257 0003 924	Chip Ceramic 100pF/50V	CC73SL1H101J
R274	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	C147,148	257 0004 961	Electrolytic 10µF/16V	CE04W1C100M
	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C151,152			
R277,278	247 0009 985	Chip Carbon 10kohm 1/10W	RM73B103J	C153,154	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J
R279	247 0013 984	Chip Carbon 470kohm 1/10W	RM73B474J	C155,156	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M
R280	247 0007 945	Chip Carbon 1kehm 1/10W	RM73B102J	C201,202	256 1034 979	Metalized 0.1 µF/50V	CF93A1H1O4J
F1281	247 0009 927	Chip Carbon 5.6kohm 1/10W	RM73B562J	C203	257 0006 969	Chip Ceramic 680pF/50V	CC73SL1H681J
H282	247 0005 905	Chip Carbon 100ohm 1/10W	RM73B101J	C204	256 1034 937	Metalized 0.47μF/50V	CF93A1H474J
		 		C205,206	256 1034 979	Metalized 0.1µF/50V	CF93A1H1O4J
VR261	211 0802 002	Variable Resister 100kohm		C207	257 0006 969	Chip Ceramic 680pE/50V	CC73SL1H681J
*******				C208	256 1034 937	Metalized 0.47µF/50V	CF93A1H4 7 4J
	<u> </u>			C209	254 4254 912	Electrolytic 22µF/16V	CE04W10220M
CAPACIT	ORS GROUP			C210.211	254 4254 909	Electrolytic 10µF/16V	CE04W10100M
C001,002	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C212	254 4252 930	Electrolytic 100µF/10V	CE04W1A1 01M
C001,502	257 0002 947	Chip Ceramic 12pF/50V	CC73SL1H120J	C213	255 1264 982	Plastic Film 0.0047µF/50V	CQ93M1H472J(B)
C005	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C214	254 4254 912	•	CE04W10220M
	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C215	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C006~008		Electrolytic 1µF/50V	CE04D1H010MBP	C216	256 1035 910	, '	CF93A1H224J
C011	254 3056 917	1 ' '	CE04D I GOTOMOF	C217,218	254 4254 909	Electrolytic 10µF/16V	CE04W1C1 00M
		(Bipole)	OFGANACATON	C219	254 4254 941	Electrolytic 100uF/16V	CE04W101 01M
C012	254 4254 938	Electrolytic 47uF/16V	CE04W1C470M		255 1264 995	Piastic Film 0.0056µF/50V	CQ93M1H562J(B)
C013	254 4260 906	Electrolytic 0.1 µF/50V	CE04W1H0R1M	C220	1	Electrolytic 470μF/6.3V	CE04W0J471M
C014	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	C221	254 4250 958		
C016	257 0004 961	Chip Ceramic 100pF/50V	CC73SL1H101J	C222	256 1034 937	Metalized 0.47µF/50V	CF93A1:474J
C017,018	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C223	257 0006 927	Chip Ceramic 470pF/50V	CC73SL:H471J
C019	254 4260 935	Electrolytic 0.47μF/50V	CE04W1HR47M	C224	257 0009 924	Chip Ceramic 2200pF/50V	CK73B1H222K
CB20	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C225	254 4260 948	Electrolytic 1uF/50V	CE04W1-O 10M
C021	254 4260 980	Electrolytic 10µF/50V	CE04W1H100M	C226	256 1035 978	Metalized 0.68µF/50V	CF93A14684J
C022	257 0012 982	Chip Ceramic 0.022µF/50V	CK73F1H223Z	C227-229	256 1035 910	Metalized 0.22uF/50V	CF93A14224J
C024	256 1034 940	Metalized 0.056µF/50V	CF93A1H563J	C230,231	254 4260 977	Electrolytic 4.7µF/50V	CE04W1H4-R7M
C025,026	254 4254 912	Electrolytic 22µF/16V	CE04W1C220M	C232	256 1035 910	Metalized 0.22µF/50V	CF93A11224J
C027	254 4254 909	Electrolytic 10µF/16V	CE04W1C100M	C233-236	256 1034 979	Metalized 0.1µF/50V	CF93A111O4J
C028	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C237,238	255 1265 978	Plastic Film 0.022µF/50V	CQ93M1H223J(8)
C029	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C239-241	254 4260 948	Electrolytic 1µF/50V	CE04W1HO 10M
C033,034	257 0002 976	Chip Ceramic 16pF/50V	CC73SL1H160J	C242	257 0014 935	Chip Ceramic 0.1 uF/25V	CK73F151O4Z
C035	256 1034 937	Metalized 0.047uF/50V	CF93A1H473J	C243,244	254 4260 948	Electrolytic 1 µ F/50V	CE04W1HO 10M
C036,037	257 0012 966	Chip Ceramic 0.01µF/50V	CK73F1H103Z	C245	257 0006 927	Chip Ceramic 470pF/50V	CC73SLIH471J
C038	254 4254 938	Electrolytic 47µF/16V	CE04W1C470M	C246	257 0009 940	Chip Ceramic 3300pF/50V	CK73B1H3:32K
		Chip Ceramic 0.01uF/50V	CK73F1H103Z	C247	257 0014 935	Chip Ceramic 0.1 uF/25V	CK73F1:1C)4Z
C039	257 0012 966	Electrolytic 1µF/50V	CE04W1H010M	C248,249	257 0013 907	Chip Ceramic 0.047µF/50V	CK73F114 7 3Z
C040	254 4260 948		CE04W1C470M	C250	254 4254 938	Electrolytic 47µF/16V	CE04W104-70M
C041	254 4254 938	Electrolytic 47µF/16V		C250 C251	257 0014 935	Chip Ceramic 0.1 µF/25V	CK73F131O4Z
C042	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	1	257 0014 935	Chip Ceramic 470pF/50V	CC73\$LIH471J
C043	254 4260 919	Electrolytic 0.22µF/50V	CE04W1HR22M	C252	257 0006 927	Chip Ceramic 5600pF/50V	CK73B1H5662K
C044	254 4260 948	Electrolytic 1µF/50V	CE04W1H010M	C253,254	ı	Chip Ceramic 9000pF/50V	CK73F131Ø4Z
C045	257 0012 966	Chip Ceramic 0.01 uF/50V	CK73F1H103Z	C255	257 0014 935		
C046,047	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	. C256	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C048	254 4260 948	Electrolytic 1 uF/50V	CE04W1H010M	C257	254 4252 930		CE04W141 01M
C049	257 0012 966	Chip Ceramic 0.01 µF/50V	CK73F1H103Z	C259,260	257 0005 944	Chip Ceramic 220pF/50V	CC73SLH221J
Cost	254 4260 951	Electrolytic 2.2µF/50V	CE04W1H2R2M	C261~264	254 4254 909	Electrolytic 10µF/16V	CE04W101 00M
C051		Electrolytic 10µF/16V	CE04W1C100M	C265	257 0006 927	Chip Ceramic 470pF/50V	CC73SLH471J
	254 4254 909	Figure 103111101					
C052	254 4254 909	Chip Ceramic 330pF/50V	CC73SL1H331J	C266	257 0005 986		CC73SLH<331J
	1			C266 C267,268	257 0005 986 254 4254 909	Chip Ceramic 330pF/50V Electrolytic 10μF/16V	CE04Wig1 00M



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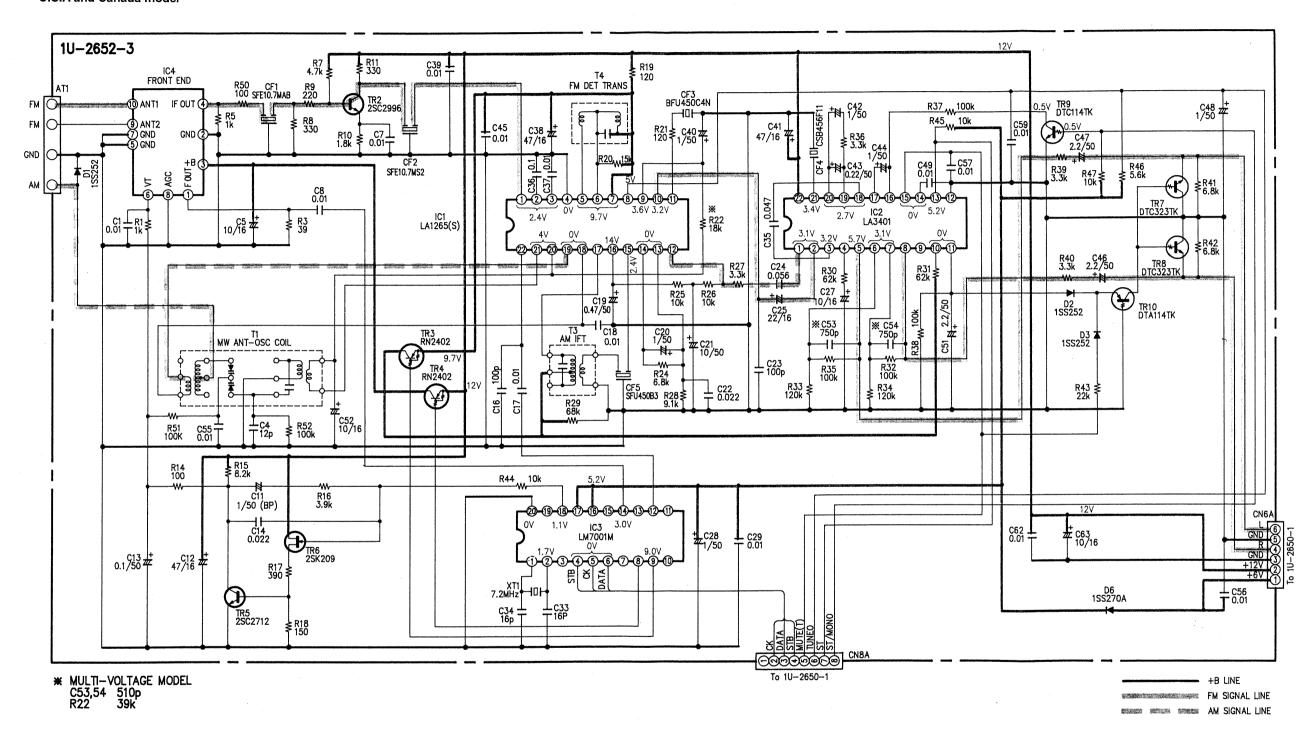






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U.S.A and Canada model



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WARNING:
Parts marked with this symbol have critical characteristics.
Use ONLY replacement parts recommended by the manufacturer.

CAUTION:
Before returning the unit to the customer, make sure you make either (1) a leakage current check or (2) a line to chassis resistance check. If the leakage current exceeds 0.5 milliamps, or if the resistance from chassis to either side of the power cord is less than 240 kohms, the unit is defective.

WARNING:
DO NOT return the unit to the customer until the problem is located and



15 10 12 13 14 11 Europe model TR1 2SK211 10-2652-3 IC4 FRONT END T4 FM DET TRANS Α CF3 BFU450C4N 5V TR9 DTC114TK IC1 LA1265(S) В D2 1SS252 C25 #+ 22/16 ## TR10 DTA114TK TR3 RN2402 D3 ***** ☐ GF5 6.8k CF5 SFU450B3 R28 9.1k R35 150k R34 ≱ 200k R43 ≱ 22k 1 LF1 ANTI BIRDIE FILTER C C11 1/50 (BP) IC3 3.0V LM7001M 0V 1.1V 0.1/50 # 47/16 # D6 1SS270A TR5 2SC2712 D +B LINE FM SIGNAL LINE AM SIGNAL LINE

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NOTES
ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM
ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD
EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT
CONDITION.

CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

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EXPLODED VIEW PARTS LIST

Ref. No	. Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
• 1	Note	Main Amp. Unit Ass'y		1 ^S	58	205 0071 016	Terminal Ass'y		1
<u> </u> _ 1-1	_	Main Amp. Unit		(1)	59	477 0018 001	Washer (P-87)		1
1-2	_	Headphone Unit		(1)	60	143 0867 003	Window		1
2	254 4349 717	Chemicon 5600µF/56V	C353,354	2	61				
3	211 0798 103	Variable Resistor 100kohm	Balance(VR451)	1	62				
4	211 0797 117	Variable Resistor 30kohm	Bass (VR452)	1	63		:		
5	211 0797 104	Variable Resistor 5kohm	Treble (VR453) RL481	1		L			ļ
6 7	214 9003 005 214 0167 005	Relay Relay(G5Z-2A)	RL480,501	2	SCRE	VS			
8	214 0167 003	Relay(A12W-K)	RL482	1	81	Note	Tapping Screw(S)3×8	Black	16
9	204 8354 004	Headphone Jack		1	82	473 7015 018	Tapping Screw(S)3×8	Black	7
10	205 0846 005	6P Push Terminal		1	83	473 8007 009	Cup Screw 3×12		12
• 11	Note	Rear Amp. Unit Ass'y		1 ^S	84	473 7501 001	Tapping Screw(P)3×10		19
<u></u>	_	Rear Amp. Unit		(1)	85	Note	Earth Screw		10
11-2	_	VFD Unit		(1)	86	477 0064 107	Fixing Screw	Black	10
L-11-3		Power Supply Unit	C555	(1)	87 88	473 7004 029 477 0263 005	Tapping Screw(S)4×10 3P Swelling Screw	Diack	4
12	254 4256 790	Chemicon 2200µF/25V Chemicon 3300µF/35V	C517,518	2	89	475 6124 003	Nut M 12		1
13 14	254 4259 713 393 4131 000	FLD(FIP14PM8) Ass'y	FL701	1	90	475 2003 034	Spring Wahser φ3	BKNI	1
<u>/</u> 14	214 0170 005	Relay(TV-8)	RL551						
<u> </u>	Note	Fuse A	F001	1	PACK	NG & ACCES	SORIES		
À 17	Note 11	Fuse A	F003,004	2	PACKI	· · · · · · · · · · · · · · · · · · ·	T	T	т
18	204 8442 000	4P Pin Jack(S-GND)		1	101	504 0162 000	Stylen Paper	for AC cord	1 1
19	205 0592 003	4P Push Terminal		1	102	504 0162 013	Stylen Paper	for Set	1 1
<u>^</u> 20 <u></u>	Note	AC Outlet(2P)		144	103 104	505 0272 003 503 1113 204	Poly Cover Cushion		
	Note	Power Trans(Mini) Surround Unit Ass'y	***	1 ^S	104	GEN 2599	Envelope Sub Ass'y		2 1 ^S
22	Note	Surround Unit		(1)	_ 105-1	505 8006 019	Envelope		(1)
22-2	_	Volume Unit		(1)	105-2	Note	Inst. Manual		(1)
22-3	_	Tuner Unit		(1)	105-3	399 0221 006	Remote Control	RC-169	(1)
23	Note	Front End	IC004	1	105-4		Battery	•	(1)
24	211 0802 002	Variable Resistor 100kohm	VR261	1	105-5	231 0922 009	Loop Antenna		(1)
25	204 8313 003	4P Pin Jack(S-GND)		2	105-6	Note	FM Ant. Ass'y		(1)
26	204 8346 009	6P Pin Jack(S-GND)		1	105-7	Note Note	DAI Warranty Home DCI Warranty Home		(1)
27	Note	Ant. Terminal Main Chassis		1 1	└ 105-7 106	501 1738 007	Carton Case		1 1
2829	411 1267 301 412 3751 106	Center Bracket		1	107	Note	CSA Label		1
30	104 0194 108	Foot Ass'y		4	108				
31	Note	Rear Panel		1					
32	417 0492 104	Power Radiator		1					
33	415 0234 007	Insulating Sheet		6					
34	271 0237 006	Transistor 2SA1490(O/P/Y)(Z)	TR321,322,411	3					
35	273 0386 005	Transistor 2SC3854(O/P/Y)(Z)	TR317,318,410	3					
3637	412 3766 007	L Bracket P.W.B Bracket		1 2					
3738	412 3767 006 412 3470 102	Spring Plate		1					
3039	412 3752 008	Radiator Bracket		1					
40	_	_					·		
<u></u>	Note	AC Cord with plug		11					
<u> </u>	445 0056 008	Cord Bush	A.	有接					
43	Note	Card Spacer(L=12)		4.	-				
44	146 1465 649	Inner Panel		1					
45	113 1636 106	Push Knob(P)		1 1			i		
46 47	113 1637 008 113 1638 104	Push Knob Function Knob		2					
47	113 1639 006	Pre-set Knob		1					
49	113 1640 105	Tact Knob		1			1		
⚠ 50	Note	Power Trans		1					
51	144 2321 139	Front Panel		1					
52	112 0737 003	Volume Knob		1					
53	112 0739 001	Knob(Round)		3		1			
• 54	102 0543 009	Top Cover		1 1					
55	Note	Caution Label(A)		1 1	ll .				
56	Note	Caution Label(B) Screw Tube		1					
57	462 0094 007	Octem Tube		'					
1				1		2			
L				<u>'</u>	·	L			.,

ADDENDUM PARTS LIST

			Part No.					
Ref. No.	Part Name	Q'ty	U.S.A. model	CANADA model	EUROPE model			
• 1	Main Uuit Ass'y	1 ^S	1U-2650	1U-2650	1U-2650 B			
11	Rear Amp. Unit Ass'y	18	1U-2651	1U-2651	1U-2651 B			
<u>∧</u> 16	Fuse A(F001)		206 1046 001		206 1015 032			
			6.3A UL20mm		2,5A			
<u> </u>	Fuse A(F003,004)	2	206 1046 027	206 1046 027				
	4-14-1		5 A	5 A				
<u>/</u> } 20	AC Outlet(2P)	1	203 3941 008	203 3941 008	- 1,			
<u></u> 11 €	Power Trans(Mini)	1	233 6073 000	233 6073 000	233 6058 012			
• 22	Surround Unit Ass'y	1 ^S	1U-2652	1U-2652	1U-2652 B			
23	Front End(IC104)	1	216 0064 007	216 0064 007	216 0065 006			
27	Ant. Terminal	1	205 0505 003	205 0505 003	205 0776 007			
			4P Push	4P Push	3P Ant.(PAL)			
31	Rear Panel	1	105 1100 301	105 1100 301	105 1100 314			
<u> </u>	AC Cord with plug		206 2050 009	206 2050 009	206 2063 009			
43	Card Spacer(L=12)		412 2814 057	412 2814 057	412 2814 057			
. An analysis of the second of the second		LIN AND STREET	(3)	(3)	(4)			
<u> </u>	Power Trans	14	233 6072 001	233 6072 001	233 6086 000			
55	Caution Label(A)	1	513 2209 004	513 2209 004	_			
56	Caution Label(B)	1	513 2210 006	513 2210 006				
SCREW	/S				J			
81	Tapping Screw(S) 3×8		473 7002 018	473 7002 018	473 7002 018			
			(15)	(15)	(16			
85	Earth Screw		477 0276 018	477 0276 018	477 0276 018			
			(2)	(2)	(1)			
PACKIN	 NG & ACCESSORIES (N	ot includ	ed EXPLODE	D VIEW.)				
105-2	Inst. Manual	1	511 2550 003	511 2550 003	511 2589 003			
100-2	mot Manual	1		511 2577 002	_			
105-6	FM Ant. Ass'y		395 0019 025	395 0019 025	395 0021 000			
105-7	DAI Warranty Home	1	515 0623 109	_				
100-7	DCI Warranty Home			515 0627 105				
106	CSA Label			LL-6559 2	_			
		·						

NOTE FOR PARTS LIST

- Part indicated with the mark " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- Part indicated with the mark "★" is not illustrated in the exploded view.

WARNING:

Parts marked with this symbol 🛆 📖 have critical characteristics.

Use ONLY replacement parts recommended by the manufacturer.

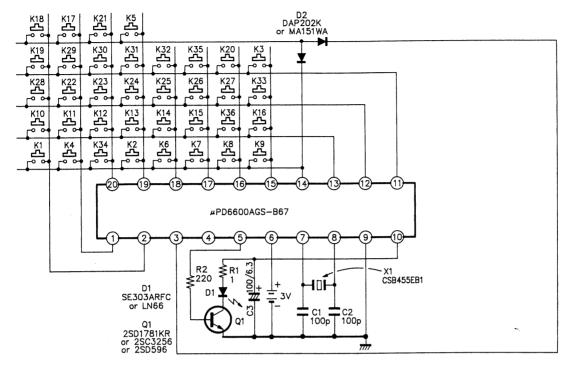
Α

В

REMOTE CONTROL (RC-169)

SCHEMATIC DIAGRAM

1 2 3 4



SPECIFICATIONS

When each Key is pressed double transmission is not performed.
 When one side is released from double pressed state, tramsdmit code on unreleased side.

NOTES

ALL RESISTANCE VALUES IN OHM. k=1,000 OHM, M=1,000,000 OHM ALL CAPACITANCE VALUES IN MICRO FARAD. P=MICRO-MICRO FARAD EACH VOLTAGE AND CURRENT ARE MEASURED AT NO SIGNAL INPUT CONDITION. CIRCUIT AND PARTS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

REMOTE CONTROL UNIT ASS'Y

PARTS LIST OF EXPLODED VIEW

Ref. No.	Part No.	Part Name	Remarks	Q'ty	Ref. No.	Part No.	Part Name	Remarks	Q'ty
SEMICO	NDUCTORS (GROUP			1	_	Case Top Ass'y		1
IC1 Q1	_ _	μPD6600AGSB67 Transistor 2SD1781KR	μ-Com		2 3 4 5		Panel Switch Rubber Case Bottom Ass'y Cover Battery		1 1
or or		Transistor 2SC3256 Transistor 2SD596			6 7 8	_ _ _	Tapping Screw Filter Spring Coil		1 1
D1 or D2 or	276 0559 909 276 0438 907	LED SE303ARF-C LED LN66 Diode DAP202K Diode MA151WA	Infrared Infrared		9 10 11	_ _ _	Spring Coil Poly Cover P.W.B. Unit Ass'y		1 1 1 1 ^S
RESISTO	RS GROUP								
R1 R2	241 2407 901 241 2397 901	Carbon Resistor 1ohm, 1/4W Carbon Resistor 220ohm 1/4W	RD14B2E010J RD14B2E221J	,					
CAPACIT	ORS GROU)							
C1,62 C3	257 0004 961 254 4213 034	Chip Ceramic 100pF/50V Electrolytic 100µF/6.3V	CC73SL1H101J CE04W0J101M						
OTHER C	ROUP								
X1		(P.W. Board) Ceramic Resonator	CSB455EB	(1)					

CORDS TABLE

KEY		Syste	em addi	ress				Custor	n code			Exter		Mask	Judgment	Remarks
No.	C1	C2	СЗ	C4	C5	C6	C7	C8	C9	C10	C11	C12	C13	C14	K	1 DI AV (DEV)
K1	0	0	1 1	0	0	1	1	1	0	1	0	1	0	0	0	✓ PLAY (REV)
K2				1	0	0	0	1	1	1	0	1	0	0	0	PLAY >
K3.		i	0	0		0	1 1	1	0	1	1	1	1	0	0	CENTER ▼
K4	0			0	0		0	. 1	1	1	0	1	Ö	0	0	PLAY ▶
K5		· · · · · · · · · · · · · · · · · · ·	1	0	0	1	1 1	0	0	1	0	1	0	0	0	A/B
K6		ö		0	0	0	1 1	1	1 1 1	1	Ö	1	0	0	0	■ STOP
K7	0	0	0	1	0	1	1	0	1	0	1	1	0	0	0	DISC SKIP
K8			ö	1	0		1 1 1	1	1	1	0	1	0	0	0	■ STOP
K9			1	· · · · · ·		0	1		1 1	1	0	1	0	0	0	FF▶▶
K10				1		1 1	0		1	1 1	0	1 1	Ö	0	0	₩
K11				···;···		0	0		1	1	0	1	0	0	0	>>
K12		1		· · · · · ·	0	1	· · · · · ·	1			0	1 1	1 1	0	0	TUNER
K12	0	+	0	0	0	1	0	1	1	0	0	1	1	0	0	VCR
		···¦···	0			0	····•	0	1 1 1	0		1 1	1	0	0	VDP/DBS
K14 K15			0			ö	 ⋯;⋯	0	0	1 1	0	1 1	1	0	0	DAT/TAPE MONITOR
	0		0			1	····	0	0	0	o	1 1	1	0	0	PHONO
K16		.	1			 ·;	····	ö	1	1	0	11	0	0	0	◄ REW
K17				} · · · ` · · ·		···	···i···	1	· · · · ·	1 1		1 1	1	0	0	PRESET A
K18	0	0	1	1	0	1	0	1	10	+ 1	0	1	1	0	0	PRESET ▼
K19	0	11	· · ·		1	····.	†j	· · · · · · ·		1	11	† · · · i · · ·	1	0	0	MASTER VOL. ▼
K20	16	····					0	∱… ₁	· · · · · · · · ·	1 1	11	1	1	0	0	REAR ▼
K21		 				<u> </u>		0	.∤	0	1 1	11	11	0	0	DELAY A
K22	10	1 .	.			···	†ĭ	0	·}···;···	· · · · · · ·	1	11	1 1	0	0	T. TONE
K23	0	11	0	0			1	· · · · · ·	· · · · ·	· · · · · · · · · · · · · · · · · · ·	1	1 1	1 1	0		SURR. MODE
K24	0	1 1	0	0	0	0	0	0	+ 1	0	1	1	1	0	0	DELAY ▼
K25	0	1				1	10		-}·-÷·-	· · · · º · ·	1	0	1 1		0	MEMORY
K26	0	Ö	1	·}··;	ö	····	1		· · · · · ·		····i··		· · · · i · ·		0	1
K27	0	0	1			-	-	· · · · · · ·	· · · · · ·	· · · · ö · ·	· · · · · · · · · · · · · · · · · · ·	1	†···i		0	BYPASS
K28	Ö	11	0	0			····			· · · · ĭ · ·	· · · · · ·	1	1 1			MUTING
K29	0	1.1.	0	0		4	10	1		· · · · · ·	·{···;	+	1	1	· · · · · · · · · · · · · · · · · · ·	CENTER A
K30	0	1 1	0	0	0	1 1	1	10	1 0	++	+ +	+ ;	1	0	0	REAR ▲
K31	0	11	0	0	0	4	.1	····		· ·;	1	+	·			MASTER VOL.
K32	0	1.1.	0	0	0	ļ <u>.</u>			·		· · · · · ·	0	+	·		2
K33	0	0	11	11	0	J	1	0			· · · · ¦ · ·	· ···ĭ··				PAUSE
K34		0	0	11	0	J	0		. 1			·	+			POWER
K35		1	0	0	0	1		0						+		CD
K36	0	1	0	0	0	0	0	1 1	U							L

NOTE FOR PARTS LIST

- Part indicated with the mark " " are not always in stock and possibly to take a long period of time for supplying, or in some case supplying of part may be refused.
- When ordering of part, clearly indicate "1" and "I" (i) to avoid mis-supplying.
- Ordering part without stating its part number can not be supplied.
- \bullet Part indicated with the mark " \bigstar " is not illustrated in the exploded view.
- Not including Carbon Film ±5%, 1/6W, 1/4W Type in the P.W.Board parts list. (Refer to the Schematic Diagram for those parts.)

Parts marked with this symbol \triangle have critical characteristics. Use ONLY replacement parts recommended by the manufacturer.